

W1

AN

769A

ANNUAL REPORT

— OF THE —

Health Department

— OF THE —

City and County of San Francisco

— FOR THE —

FISCAL YEAR ENDING JUNE 30, 1888.

Including Reports of D. E. BARGER, M.D., Health Officer; W. F. McALLISTER, M.D., Quarantine Officer; J. E. PELHAM, M.D., Resident Physician, Twenty-sixth Street Hospital; CHAS. BLACH, M.D., City Physician; and M. J. KEATING, Superintendent, City and County Almshouse.



SAN FRANCISCO:

W. M. HINTON & CO., PRINTERS, 536 CLAY STREET

1888.

ANNUAL REPORT
— OF THE —
HEALTH DEPARTMENT

— OF THE —
City and County of San Francisco

— FOR THE —
FISCAL YEAR ENDING JUNE 30, 1888.

Including Reports of D. E. BARGER, M.D., Health Officer; W. F. McALLISTER, M.D., Quarantine Officer; J. E. PEIHAM, M.D., Resident Physician, Twenty-sixth Street Hospital; CHAS. BLACH, M.D., City Physician; and M. J. KEATING, Superintendent, City and County Almshouse.



SAN FRANCISCO:
W. M. HINTON & Co., PRINTERS, 536 CLAY STREET
1888.

200806

HEALTH DEPARTMENT.

MEMBERS OF THE BOARD OF HEALTH.

HON. E. B. POND, Mayor and ex-officio President.

ALFRED W. PERRY, M. D.	CHAS. A. CLINTON, M. D.
WILLIAM D. MCCARTHY, M. D.	JULIUS ROSENSTIRN, M. D.

HEALTH OFFICER.....	D. E. BARGER, M. D.
QUARANTINE OFFICER.....	WM. F. McALLISTER, M. D.
SUP. PHYSICIAN CITY AND COUNTY HOSPITAL..	PETER A. KEARNEY, M. D.
RES. PHYSICIAN CITY AND COUNTY HOSPITAL..	W. T. BELL, M. D.
SUP. CITY AND COUNTY ALMSHOUSE.....	M. J. KEATING.
RES. PHYSICIAN CITY AND COUNTY ALMSHOUSE..	V. A. CHAIGNEAU, M. D.
RES. PHYSICIAN TWENTY-SIXTH ST. HOSPITAL..	J. E. PELHAM, M. D.
CITY PHISICIAN	CHARLES BLACH, M. D.
ASSISTANT CITY PHYSICIAN	E. D. MARTINEAUT, M. D.
VISITING PHYSICIAN INDUSTRIAL SCHOOL.....	S. S. KAHN, M. D.,
SECRETARY HEALTH DEPARTMENT... ..	CYRIL WILLIAMS.
ASSISTANT SECRETARY HEALTH DEPARTMENT..	S. S. HERRICK, M. D.
MESSENGER.....	D. R. CONNIFF.
SUPERINTENDENT CITY CEMETERY.....	GEORGE W. GREEN.
SUPT. VAULTS AND DIS-INTERMENTS.....	JOHN MORAN.
MARKET INSPECTOR.....	HUGH CRUMMEY.
INSPECTOR OF PLUMBING AND DRAINAGE.....	JAMES E. SWEENEY.
ASS'T INSPECTOR OF PLUMBING AND DRAINAGE..	JAMES J. BYRNE.

HEALTH INSPECTORS.

JOHN KELLY, JR.	JEFFERSON MARTENET.
THOMAS M. BOARMAN.	THOMAS G. PARKER.
JACOB GANS.	F. J. CORBETT.

Health Officer's Report.

SAN FRANCISCO, July 1st, 1888.

*To the Honorable the Board of Supervisors
Of the City and County of San Francisco :*

GENTLEMEN : I have the honor to submit to you my report of the transactions of the Health Office for the year ending June 30th, 1888.

During the year the deaths in this city numbered 6,036 against 5,359 for the preceding year ; of these 530 were Chinese, and 5,506 were of other nationalities.

I have estimated the population of this city at 330,000, which gives a death rate of 18.27 per 1,000 for the year, against 17.86 per 1,000 for the year preceding, when the population was estimated at 300,000.

Estimating the Chinese population at 30,000, the annual death rate among this people was 17.63 per 1,000

Estimating the population of other nationalities at 300,000, the death rate was 18.36 per 1,000.

The deaths from the principal Zymotic diseases were:

	YEAR ENDING JUNE 30, 1888.	YEAR ENDING JUNE 30, 1887.
Smallpox.....	67	
Diphtheria.....	151	247
Croup.....	90	77
Typhoid fever.....	152	145
Scarlatina.....	28	9
Cholera infantum.....	94	88
Cerebro-spinal meningitis.....	64	20
Other zymotic diseases.....	242	224
	888	810

	YEAR ENDING JUNE 30, 1888.	YEAR ENDING JUNE 30, 1887.
CONSTITUTIONAL DISEASES.		
Cancer	190	64
Phthisis pulmonalis	905	772
Other constitutional diseases	163	220
	1,258	1,056
LOCAL DISEASES.		
Encephalitis and meningitis	165	129
Heart diseases	387	292
Apoplexy and paralysis	273	225
Diseases of the liver	114	84
Enteritis	180	123
Pneumonia	577	311
Bright's disease	132	55
Bronchitis	173	113
Other local diseases	916	811
	2,917	2,143
DEVELOPMENTAL DISEASES.		
Atrophy, inanition, old age	426	429
Other developmental diseases	78	154
	504	574
Violent deaths	296	272
Unascertained deaths	173	504
Still-births	301	293

The number of births registered at the Health Office during the year was 1,780, against 1,346 of the preceding year; these figures are entirely out of proportion to the deaths, and would

argue the extinction of the population of San Francisco in a few years if they were correct. The discrepancy is, however, caused by the neglect of physicians and others to register births as required by law.

At the time of my appointment as Health Officer, on January 23d last, smallpox was epidemic in this city. My predecessor, the late Dr. J. L. Meares, had commenced with great energy to combat the disease, and it was soon completely under control.

I consider that the infection was brought to this city by a Chinese passenger, who arrived on May 3d, 1887, by the steamship "City of Sydney," from Hongkong (the smallpox epidemic of 1876 commenced in the same manner on the arrival of Chinese passengers on the 19th of May.)

In the month of May eight cases were reported ; during the months immediately following there was no great increase in the number of persons affected ; in June 11 cases were reported, in July 9, in August, September and October 6 each month.

In August physicians were appointed to visit from house to house and persuade persons to be vaccinated.

In November the cases numbered 33. Every effort was made to induce people to be vaccinated ; advertisements were inserted in the newspapers in different languages, calling attention to the imminent danger to which unvaccinated persons were liable, and house to house vaccination was energetically continued. The Health Officer was instructed to examine all children in the public schools to see if they were properly protected, and the medical officers attached to the various Public institutions were ordered to vaccinate the inmates and all arrivals.

On December 15th the Board of Health resolved to have the Chinese quarter thoroughly fumigated and the houses there examined for concealed smallpox cases. This was done under the superintendence of a medical officer assisted by a corps of Health Inspectors ; all suspicious and filthy houses were cleaned and fumigated with chlorine gas ; no resistance was, in any instance, offered, and the cleansing of this quarter was, undoubtedly, productive of great good.

A circular letter was sent to canners, manufacturers, mercantile firms and employers of labor, recommending vaccination

and offering to send physicians to their establishments to vaccinate their employees free of charge; this offer was very generally accepted and several thousand persons were vaccinated by these means.

In December there were 86 cases, and on December 29th the Board of Health declared smallpox to be epidemic. Physicians were appointed to vaccinate in all quarters of the city; large additions were made to the medical staff at the Health Office, and to the corps of inspectors; the Health office was kept open all night; a physician was appointed to examine lodging houses and the persons residing therein; a tent for the accommodation of smallpox patients, until they could be sent to the hospital, was established in Portsmouth square, and an ambulance stationed at the same place, with a physician in charge. All necessary funds were supplied by your Honorable Board and, in short, every possible endeavor was made to stop the progress of the disease.

In January there were 224 cases and 27 deaths. Large numbers of persons applied at the Health Office for vaccination, and the physicians were kept busily employed—from 500 to 1,000 persons being vaccinated there daily. As soon as a case of smallpox was reported the disease was first verified by the Health Officer in person, and the patient then sent to the hospital with his bed and bedding (which were afterwards destroyed); the house was then thoroughly fumigated and every one therein vaccinated; a house to house visitation was also made in the neighborhood and vaccination offered. Very few houses were quarantined during this epidemic, every effort being made to induce patients to go to the hospital where proper treatment would be rendered them and their families and neighbors freed from infection.

Power is granted the Health Officer by law to force persons afflicted with smallpox to go to the hospital, but he is seldom called upon to exercise it.

The hospital accommodations becoming insufficient, an addition was speedily built at a cost of \$7,561.37, giving room for 80 additional patients.

During February 115 cases occurred, and a large number of

Chinese affected with smallpox continuing to arrive by steamer from Hongkong, the Board of Health declared that place an infected port on February 28th, and all vessels thencefrom were ordered into quarantine for 15 days from the last chance of contagion on board or from arrival in port.

Owing to the large number of vaccinations and the precautions used, the material for the disease to feed upon gradually became exhausted, and the number of cases declined in March to 23. On March 16th the Board of Health declared smallpox to be no longer epidemic in this city, and the office staff was reduced to former proportions.

A few cases appeared in April and May, but many of them came from the country and the China steamers—the disease being nearly eradicated from the city.

On April 26th the steamer "Acapulco" arrived from Panama and reported having left 8 smallpox patients at Acapulco; the vessel was immediately quarantined and no cases can be traced to this source.

China, in fact, is a hot-bed of disease, and against infection from that country we must be continually on our guard. The Chinese never report cases of smallpox in the city and, usually, the finding of the dead body of some one who had died from the disease was the first intimation that a Chinaman was affected with smallpox. Forty five Chinese cases were landed from the steamers; for the care of these persons, however, at the hospital the steamship companies have always reimbursed the city at the rate of \$3 per man per day, and \$2,343 was thus collected and paid into the city treasury during the fiscal year.

Reliable vaccine matter has been very difficult to procure, all the brands seeming occasionally to lose their effect. At one time no virus could be obtained for several days, causing much dissatisfaction to those applying for vaccination. A State vaccine farm under the superintendence of the Board of Health, would be of great benefit to the State, and the expense would be slight. This office alone has paid \$7,526.80 for vaccine matter during the fiscal year—more than 80,000 vaccinations having been effected.

One great safety to the city during the recent prevalence of

HEALTH REPORT.

smallpox has consisted in the admirable rule of the Board of Education requiring all children attending public schools to produce certificates of vaccination before admittance. I endeavored to carry into effect the order of the Board of Health to examine the children for vaccination marks. The visiting physicians were allowed to examine the children at some of the schools and a small percentage were found to be not vaccinated ; a complete examination was prevented by the school authorities in spite of the protests of the Board of Health.

The cases of smallpox at the hospital were, on June 30th, reduced to 1, but I consider it necessary to maintain the hospital in a state of efficiency, exposed as this city is on all sides to the inroads of disease.

I quote from the annual report, 1887, of Dr. Oscar C. De Wolf, Commissioner of Health for Chicago: " Ten cases of smallpox were brought to this city during 1887; these cases were so promptly cared for and their surrounding neighbors and friends so thoroughly protected by vaccination, that none of our citizens suffered from the infection. During the past two years I have been charged several times with an unnecessary extravagance in keeping a smallpox hospital fully equipped with nurses, ambulance, drivers, etc., when the disease was scarcely present ; during these years a vaccinating corps has been constantly employed and urged to the utmost zeal in the performance of their work."

The following table will show the progress of the disease with the number of deaths :

MONTHS.	Total Cases...	Male.....	Female.....	White.....	Chinese.....	African.....	Deaths, White.	Deaths, Chinese	Total Deaths...
1887—May.....	8	8	.....	3	5	.....	.....	.....	.....
June.....	11	6	5	10	1	.....	1	1	2
July.....	9	6	3	9	.....	.....	3	.....	3
August.. ..	6	6	.....	6	.....	.....	1	.....	1
September.....	6	1	2	6	.....	.....	1	.....	1
October.....	6	2	4	5	1	.....	1	1	2
November.....	33	29	13	31	2	.....	2	2	4
December.....	86	67	19	7	7	.....	6	4	10
1888—January.....	224	100	34	193	30	1	21	6	27
February.....	115	81	21	97	18	.....	7	2	9
March.....	23	20	3	20	3	.....	3	1	4
April.....	22	18	4	16	5	1	4	.....	4
May.....	8	5	3	8	.....	.....	2	.....	2
June.....	11	8	3	11	.....	.....	.....	.....	.....
	568	444	124	494	72	2	52	17	69

The cost of the smallpox epidemic to the city has been :

Expenses Twenty-sixth-street hospital for the fiscal year.....	\$20,199 99
Cost of addition to same.....	7,561 37
Health Office Expenses.....	\$40,243 05
Salaries per Appropriation.....	\$18,000
Expenses per Appropriation.....	5,000 23,000 00
In excess of Appropriation.....	17,243 05
Total.....	\$45,004 41

If the damage sustained by the merchants of this city by the loss of trade caused by the absence of travelers, and people from the country districts, through fear of the disease, and also the heavy additional expenses of the steamship companies, were added to this, it would amount to a large sum of money.

The only way of warding off another attack is by strict quarantine of infected vessels and by vaccination.

There are still in this city, no doubt, numbers of unprotected persons, and every endeavor must be made to reach them and induce them to get vaccinated.

QUARANTINE.

Through the exertions of the Board of Health, particularly of Dr. Rosenstirn the prime mover in the matter, a meeting of the city authorities, State Board of Health, Board of Trade, Board of Commerce and the representatives of the Federal Government in this city, was held on March 3d, and the strong resolutions then passed and forwarded to our representatives at Washington, were, I believe, one of the principal means of procuring the passage of Senator Stanford's bill providing for a quarantine station at this port. This bill, which has now received the President's signature, will be of great benefit to the commerce of this port. During the prevalence of smallpox the steamship companies, having no quarantine station at which to land passengers, were obliged to detain them on floating hulks at a great expense to themselves and inconvenience to the passengers. In one instance, several hundreds of Chinese were cooped up for more than a month on a hulk exposed to the ravages of both typhus fever and smallpox. On another occasion a quarantine ship was wrecked in the bay during a severe gale, the passengers barely escaping with their lives.

DISINFECTION OF RAGS.

It having come to my notice that certain factories employed in the business of making mattresses, coverlets and other articles, were using uncleaned rags for the purpose, I reported the matter to the Board of Health, who at once insisted upon the cleaning and disinfection of these rags before use. A microscopical investigation of these rags was made; the result being that the germs discovered (on being cultivated) were found to be capable of producing infectious diseases.

Each factory has been notified to erect a steam disinfecting apparatus in accordance with a plan now being prepared; atten-

tion will also be paid to the condition of importations of articles manufactured from rags. In Chicago, the Commissioner of Health there informs me "that all rags designed for shoddy mattresses are submitted to steam heat in a close room or box, in which the temperature must reach 250° F.

THE CHINESE.

The Hon. the Grand Jury, in their report, called the attention of the Board of Health to the condition of the Chinese quarter.

On February 21st, 1880, the Board of Health declared Chinatown a nuisance, and the Health Officer was ordered to abate it; the matter was brought up again November 15, 1880, and the Health Officer was asked what had been done in the premises. Dr. Meares, the Health Officer at that time, stated that it was impossible to do any more than had been done, and that without prison accommodation it was impossible to further abate this nuisance.

There is no doubt that through overcrowding, want of ventilation, and filth, many buildings in the Chinese quarter are unfit for human habitation and might by law be ordered vacated. The Board of Health are endeavoring to abate the nuisance, gradually, by ordering some of the worst places vacated; but, driving the Chinese out of one place simply makes them overcrowd another, and the nuisances have to be abated by degrees and with great judgment.

GARBAGE.

At a special meeting of the Board of Health, held April 29th, 1887, amongst other sanitary regulations recommended by Dr. Perry and Dr. Clinton, a sanitary committee appointed at the previous meeting, is the following: "The construction of two dumping scows to carry garbage into the bay, which the committee consider an imperative necessity." The committee were requested to appear before the Board of Supervisors and solicit their co-operation. These gentlemen met the Health and Police Committee and discussed the matter fully with them. They described the enormity of the nuisance at the foot of Sixth and Seventh streets, the heaps of garbage and the stench arising

therefrom, making the neighborhood almost uninhabitable. They stated, also, the terrible result that would follow a visitation of cholera to this city, in which case the dumps would form an efficient breeding ground for the disease.

This occurred more than one year ago ; objection was made to dumping the garbage in the bay, and nothing has been done in the matter ; in fact, nothing can be done until an appropriation of money can be made for the purpose of getting rid of garbage by some other means than by dumping it on the public streets. There are two means of disposing of garbage in this city ; either by dumping it into barges to be emptied outside the heads, or by cremation. The latter method is now being adopted in the large interior cities and has proved eminently successful, the only drawback being the cost of fuel. The health authorities at St. Pauls, Minn., after inspecting crematories in various places, have adopted them as the only efficient means of disposing of garbage. A crematory has been in successful operation in Chicago for some months, and in Montreal for several years.

We have, at a heavy expense, got rid of an epidemic of smallpox, and every effort should be made to place the city in a fit sanitary condition to resist the inroads of diphtheria, cholera and other diseases, which the pestilential condition of the dumps especially invites.

LEPROSY.

In direct opposition to the laws governing this city, a leper of mixed German and Hawaiian parentage was landed here from the steamer "Australia," on the 12th of last June. In conjunction with the Quarantine Officer I used every means possible to prevent this, but Mr. Thornley, the State Commissioner of Emigration, acting under Section 2,955 of the Political Code, brought the leper ashore. The number of lepers in the Hawaiian Islands is estimated by the Board of Health there at 1,500, and the disease is spreading with great rapidity. Leprosy is undoubtedly contagious, and is one of the most loathsome diseases that afflicts humanity. I trust that at the approaching session of the Legislature an effort will be made to reconcile the conflict between the State laws and those of this city, and to give

us a general and stringent law protecting the country from this plague.

I may mention that in the last two years the Board of Health at Honolulu has expended more than \$250,000, the greater part of which was for expenses incurred on account of lepers.

CATTLE.

Last February a band of diseased cattle were brought to this city from Fresno. The Market Inspector immediately placed them in an enclosure; I had them examined by a veterinary surgeon, and the cattle that were diseased separated from the others and slaughtered.

Many such diseased cattle are confiscated and ordered killed by the Market Inspector, but it is quite impossible for him to attend to his daily duties, which consist in watching for diseased cattle and calves in Butchertown and on the Mission Road, watching on the city front for arrivals by steamers, examining the city markets and butcher's stalls for diseased meat and, particularly, inspecting the meat and hogs in the Chinese quarter. There is, in fact, plenty of work for several market inspectors, especially as the examination of *milk* ought to be included in their duties.

PLUMBING LAWS.

On April 30, 1888, a decision was rendered by Judge Wallace of the Superior Court, declaring the Act giving the Board of Health power to regulate the plumbing and drainage of buildings, "unconstitutional." He states: "The conclusion reached is, that the Act in question, being a local law, enacted in a case in which a general law might have been applicable, is, for that reason, unconstitutional."

The proper plumbing and drainage of buildings being an absolute sanitary necessity, an ordinance, giving the Board of Health power to regulate these matters, was drawn up by the City and County Attorney, and incorporated by your Honorable Board in the laws governing the city. A large majority of the masters and journeyman-plumbers were desirous of seeing this ordinance become law, and there will be now no difficulty in enforcing the regulations passed by the Board of Health on the subject.

SEWERS.

Since my appointment as Health Officer I have recommended, through the Street Department, the sewerage of twenty-four streets, and have to thank Mr. Ashworth, the Superintendent of Streets, for his able co-operation and energy in having most of these recommendations complied with.

Mr. S. Harrison Smith, City and County Surveyor, has fully and ably treated the subject of sewerage the city in a proper manner, and has also drawn a plan and made an estimate of the cost. It is a matter of the greatest importance to the welfare of the people of San Francisco, and I can only express a hope that steps will be taken to improve the present system of sewerage in accordance with some well established plan and uniform grade.

The main sewers have been well flushed and are in good condition, and the Board of Health are using what powers they have to get the small streets sewerage and connections made with the dwelling houses.

DISINTERMENTS.

The collections for disinterment permits during the year amounted to \$10,720. The money is paid into the city treasury, and is not available for the use of this department.

The salary of the Inspector of Vaults and Disinterments is, however, paid out of this fund, and his services are of great use in attending to the sanitary condition of the cemeteries.

The Health Inspectors for the six districts report to me.

District No.	INSPECTORS.	Complaints of Nuisances.....	Nuisances abated.	Complaints without cause.....	Nuisances in process of abatement.....	Patent Closets put in.....	Arrests made.....	Houses fumigated for Diphtheria and Scarlatina.
1	John Kelly, Jr.....	746	665	56	25	58	24	75
2	T. M. Boardman.....	961	830	91	60	283	7	10
3	T. G. Parker.....	836	705	35	36	82	18	46
4	Jefferson Martenet.....	865	763	40	62	171	10	50
5	Frank J. Corbett.....	885	831	24	39	125	3	28
6	Jacob Gans.....	912	856	31	25	142	.....	31
	Total	5,225	4,710	277	238	861	62	240

I beg to refer to the following reports herewith :

The Quarantine Officer's report.

Report Resident Physician Twenty-sixth-street Hospital.

Mortuary tables Nos. 1 to 18.

Secretary's Financial Report.

Market Inspector's Report.

Inspector of Plumbing and Drainage.

List of Master and Journeyman Plumbers.

Mr. James J. Byrne, Assistant Inspector of Plumbing and Drainage, reports having inspected during the year 35,330 feet of iron-stone pipe, and 16,105 feet of cast-iron pipe laid as house drains, also, having examined 640 traps set under sidewalk.

I am greatly indebted to the United States Signal Service for their kindness in furnishing this office with monthly Meteorological and Barometrical observations, also to Chief of Police Crowley for his assistance on all necessary occasions.

I am, gentlemen, yours respectfully,

D. E. BARGER, M.D.,

Health Officer City and County of San Francisco.

TABLE No. I.

MONTHLY DISTRIBUTION OF MORTALITY IN SAN FRANCISCO FOR TWENTY
YEARS.

FISCAL YEARS.	Caucasian & African.	Mongolian	Total	July	August	September	October	November	December	January	February	March	April	May	June
1868-69.....	3869	224	4093	346	317	356	534	411	501	380	267	299	286	309	293
1869-70.....	3023	220	3243	296	268	266	270	270	287	263	253	255	261	271	282
1870-71.....	2919	295	3214	298	281	262	309	347	256	298	245	227	232	225	221
1871-72.....	2640	339	2998	230	247	248	360	238	245	226	243	256	255	263	247
1872-73.....	3236	405	3641	297	384	290	130	329	294	301	296	323	328	361	368
1873-74.....	3548	465	4013	331	294	308	330	338	425	391	300	363	289	292	343
1874-75.....	3710	453	4163	366	337	321	379	320	333	349	310	369	373	347	359
1875-76.....	4182	609	4791	371	378	324	498	438	410	405	387	364	347	308	561
1876-77.....	5555	615	6170	507	477	548	526	542	607	641	496	511	464	444	407
1877-78.....	4450	527	4977	417	394	434	433	401	463	457	397	411	425	377	368
1878-79.....	3970	533	4493	375	344	384	395	399	438	463	370	325	339	370	321
1879-80.....	3873	467	4340	335	313	377	405	341	352	393	363	422	405	316	318
1880-81.....	3808	479	4287	343	373	346	350	380	310	370	314	351	319	349	352
1881-82.....	4481	527	5008	312	317	324	354	392	423	518	569	584	401	465	408
1882-83.....	4430	568	4998	419	420	414	400	419	462	440	399	449	385	398	385
1883-84.....	4498	502	5000	479	366	435	391	332	419	432	443	414	399	457	386
1884-85.....	4818	470	5288	452	369	364	380	379	449	438	468	502	468	512	516
1885-86.....	4860	462	5322	458	445	415	432	421	521	519	782	479	418	435	397
1886-87.....	4871	488	5359	437	408	394	425	452	491	522	451	445	450	475	409
1887-88.....	5507	529	6036	459	409	427	486	5	582	650	517	488	501	504	479

TABLE No. II.

MORTALITY IN SAN FRANCISCO FOR TWENTY YEARS, ARRANGED ACCORDING TO
CLASSES.

FISCAL YEARS.	CAUSES OF DEATH.						Total.
	Zymotic Diseases.	Constitu- tional Diseases.	Local Diseases.	Develop- mental Diseases.	Violent Deaths	Unascer- tained Causes.	
1868-69	1,578	628	1,286	421	147	33	4,093
1869-70	770	617	1,278	396	142	40	3,243
1870-71	625	633	1,273	444	145	94	3,214
1871-72	521	627	1,224	330	137	159	2,998
1872-73	652	672	1,410	412	151	344	3,641
1873-74	922	728	1,428	429	187	319	4,013
1874-75	785	743	1,503	537	222	373	4,163
1875-76	930	856	856	1,691	570	492	4,791
1876-77	2,148	814	1,846	593	276	493	6,170
1877-78	1,027	876	1,811	544	273	446	4,977
1878-79	743	875	1,729	546	215	385	4,493
1879-80	555	884	1,797	563	267	274	4,340
1880-81	645	845	1,884	521	191	201	4,287
1881-82	718	957	2,410	560	238	125	5,008
1882-83	644	1,111	2,375	513	263	82	4,988
1883-84	670	1,155	2,381	528	245	21	5,000
1884-85	927	952	2,440	582	276	111	5,288
1885-86	775	1,017	2,364	554	280	332	5,322
1886-87	810	1,056	2,143	574	272	504	5,359
1887-88	888	1,258	2,917	504	296	173	6,036

TABLE No. III.

ESTIMATED POPULATION, DEATHS AND DEATH RATE OF SAN FRANCISCO FOR
TWENTY YEARS.

FISCAL YEARS.	ESTIMATED POPULATION.	DEATHS.	PER CENT PER 1,000.
1868-69.....	147,950	4,093	27.66
1869-70.....	170,250	3,243	19.04
1870-71.....	172,750	3,214	18.60
1871-72.....	178,276	2,998	16.81
1872-73.....	188,323	2,641	19.33
1873-74.....	200,770	4,013	19.98
1874-75.....	230,132	4,163	18.09
1875-76.....	*272,345	4,791	17.59
1876-77.....	*300,000	6,170	20.56
1877-78.....	*300,000	4,977	16.59
1878-79.....	*305,000	4,492	14.75
1879-80.....	†234,520	4,340	18.50
1880-81.....	†234,520	4,287	18.27
1881-82.....	234,520	5,008	21.34
1882-83.....	250,000	4,988	19.92
1883-84.....	270,000	5,000	18.47
1884-85.....	270,000	5,288	19.58
1885-86.....	280,000	5,322	19.00
1886-87.....	300,000	5,359	17.86
1887-88.....	330,000	6,036	18.27

*According to Langley's City Directory.

†U. S. Census. H. U. S. Census returns, July 1, 1880: White population, 212,510; Chinese population, 22,000.

TABLE No. IV.

ABRIDGED MORTALITY REPORT FOR THE FISCAL YEAR ENDING JUNE 30, 1888.

DISEASES.	RACE.			AGES.					SEX.		NATIVITIES.			
	Caucasian and African.	Chinese.....	Total.	Per cent.	Under 5 Years.	From 5 to 20 Years.	From 20 to 50 Years.	From 50 to 70 Years.	Over 70 Years.	Unascertained.	Male.	Female.	Foreign Countries.	Atlantic Coast.
I. Zymotic Diseases.....	861	27	888	14.71	444	178	196	56	11	3	500	388	204	105
II. Constitutional Diseases.....	1105	153	1258	20.84	60	66	799	297	36	...	861	397	744	283
III. Local Diseases.....	2706	211	2917	48.32	829	201	893	749	242	3	1830	1087	1375	485
IV. Developmental Diseases.....	475	29	504	8.35	323	8	43	30	100	...	293	211	132	44
V. Deaths from Violence.....	278	18	296	4.90	11	36	179	55	11	4	263	33	165	70
VI. Unascertained.....	81	92	173	2.86	12	2	106	42	11	...	143	30	139	17
Total.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
I.														
Measles.....	40	.....	40	.666	37	3	.....	.....	.....	.....	20	20	.....	6
Scarlatina.....	28	.....	28	.463	11	17	.....	.....	.....	.....	14	14	.....	4
Diphtheria.....	151	.....	151	2.50	89	59	3	.....	.....	.....	81	70	13	14
Croup.....	89	1	90	1.49	60	29	1	.....	.....	.....	54	36	4	6
Pertussis.....	17	.....	17	.281	16	1	.....	.....	.....	.....	9	8	.....	1
Typhoid Fever.....	150	2	152	2.40	21	42	76	12	1	.....	93	59	59	32
Malarial Fever.....	17	2	19	.313	2	2	9	6	.....	.....	9	10	11	2
Diarrhoea and Dysentery.....	46	4	50	.828	24	4	9	11	1	.....	35	15	21	7
Cholera Infantum.....	94	.....	94	1.55	93	1	.....	.....	.....	.....	48	46	4	2
Cholera Morbus.....	11	.....	11	.182	.....	.....	4	3	4	.....	8	3	9	2
Pyæmia and Septicæmia.....	51	.....	51	.833	4	5	31	9	.....	.....	25	26	26	8
Cerebro-Spinal Meningitis.....	64	.....	64	1.06	50	7	5	.....	2	.....	31	33	5	.....

TABLE No. IV—CONTINUED.

DISEASES.	RACE.			AGES.						SEX.		NATIVITIES.				
	Caucasian and African.	Chinese.	Total.	Per cent.	Under 5 Years.	From 5 to 20 Years.	From 20 to 50 Years.	From 50 to 70 Years.	Over 70 Years.	Unascertained.	Male.	Female.	Foreign Countries.	Atlantic Coast.	Pacific Coast.	Unascertained.
I.																
Other Miasmatic Diseases.....	81	16	97	1.60	22	8	50	14	1	2	62	35	39	22	31	5
Syphilis.....	22	2	24	.397	15	.....	8	1	.....	.....	11	13	9	.....	15	..
II.																
Cancers.....	187	3	190	3.12	.....	.....	63	110	17	.....	101	89	136	41	12	1
Other Diathetic Diseases.....	13	2	15	.248	1	3	5	5	1	.....	12	3	9	4	2	.....
Phthisis, Pulmonals.....	762	143	905	14.99	22	50	698	149	16	.....	643	262	537	209	156	3
Hydrocephalus and Tubercular Men- ingitis.....	25	.....	25	.414	19	6	.....	.....	.....	.....	18	7	.....	2	23	.....
Other Tubercular Diseases.....	24	4	28	.463	13	5	9	.....	1	.....	20	8	4	5	19	.....
Alcoholism.....	68	.....	68	1.11	1	1	39	27	1	.....	51	17	49	8	3	.....
Other Dietic Diseases.....	26	1	27	.447	5	1	15	6	.....	.....	16	11	9	12	5	1
III.																
Brain Congestion.....	51	.....	51	.833	15	7	17	7	4	1	34	17	15	13	22	1
Encephalitis.....	162	3	165	2.73	106	24	24	11	.....	.....	92	73	25	14	126	.....
Brain Softening.....	45	.....	45	.745	1	1	12	22	9	.....	27	18	28	11	4	2
Epilepsy.....	14	1	15	.248	1	1	12	1	.....	.....	11	4	6	7	2	.....
Apoplexy and Paralysis.....	269	4	273	4.52	5	1	76	126	65	.....	175	98	172	54	13	4
Other Diseases of the Nervous Sys- tem.....	198	1	199	3.29	158	10	22	8	1	.....	105	94	24	7	165	3
Diseases of the Heart.....	354	23	377	6.24	10	28	151	141	47	.....	258	119	267	67	42	1

TABLE No. IV—CONTINUED.

DISEASES.	RACE.				AGES.						SEX.		NATIVITIES.			
	Caucasian and African.	Chinese.	Total.	Per cent.	Under 5 Years.	From 5 to 20 Years.	From 20 to 50 Years.	From 50 to 70 Years.	Over 70 Years.	Unascertained.	Male.	Female.	Foreign Countries.	Atlantic Coast.	Pacific Coast.	Unascertained.
Aneurisms.....	24		24	.397			18	6			22	2	18	6		
Other Diseases of the Circulatory System....	15		15	.248			6	5	1		10	5	7	6	2	
Bronchitis.....	153	20	173	2.86	98	9	27	22	17		96	77	52	18	102	1
Lungs, Congestion.....	64	2	66	1.09	32	4	15	13	2		35	31	19	12	31	4
Pneumonia.....	517	60	577	9.55	190	61	170	124	31	1	366	211	262	68	245	2
Pleurisy.....	14	1	15	.248	2	1	5	6	1		12	3	8	2	5	
Other Diseases of the Respiratory System.....	79	18	97	1.60	11	6	40	32	8		71	26	52	24	18	3
Gastritis.....	48	5	53	.878	18	1	14	16	4		23	30	27	7	18	1
Gastro-Enteritis.....	5		5	.082	4		1				3	2		1	4	
Enteritis.....	171	9	180	2.95	133	11	21	12	3		106	74	25	11	144	
Cirrhosis of Liver.....	77	7	84	1.39	1	2	36	37	8		61	23	56	24	4	
Hepatitis.....	16	15	31	.513	2	1	19	8	1		24	7	26	2	3	
Diseases of the Liver Undefined.....	18	1	19	.313	2		10	6	1		13	6	13	3	3	
Other Diseases of the Digestive System.....	157	16	173	2.86	27	18	75	47	6		95	78	92	34	44	3
Bright's Disease.....	125	7	132	2.18	7	8	60	50	7		92	40	85	26	19	2
Nephritis.....																
Other Diseases of the Urinary System.....	49	1	50	.828		3	17	21	9		41	9	32	15	2	
Tumors, Ovarian and Uterine.....	5		5	.082		1	2	2				5	2	2	1	
Other Diseases of the Generative System.....	9		9	.149		1	8				1	8	5	2	2	
Diseases of the Locomotory System	3		3	.049		2	2		1		3		1	1	1	
Not Localized.....	64	17	81	1.34	5	2	33	26	15		54	27	55	13	8	

TABLE No. IV.—CONCLUDED.

[illegible]

TABLE

MORTALITY IN SAN FRANCISCO FROM ALL CAUSES

CAUSES OF DEATH.	Total.	AGES.														Unascertained
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	
All causes	6036	1057	301	321	227	107	157	607	826	783	664	565	300	94	16	1
Specified causes	5863	1047	301	319	226	107	156	582	775	753	639	548	295	88	16	1
Unascertained causes	173	10	...	2	1	...	1	25	51	30	25	17	5	6	...	...
CLASSES.																
I. Zymotic diseases	888	215	89	140	116	28	34	84	66	46	28	28	8	3	...	3
II. Constitutional diseases	1258	24	17	19	13	16	37	244	312	243	171	126	33	3	1	...
III. Local diseases	2917	500	180	149	83	56	62	186	311	396	399	350	196	40	6	3
IV. Developmental diseases	504	305	13	5	2	2	4	16	18	9	8	22	53	37	9	1
V. Violent deaths	296	3	2	6	12	5	19	52	68	59	33	22	6	5	...	...
VI. Unascert'd causes	173	10	...	2	1	...	1	25	51	30	25	17	5	6	...	...
CLASS I—ZYMOTIC DISEASES.																
Order 1—Miasmatic.																
Cerebro-spinal meningitis	84	35	7	8	4	2	1	3	1	1	...	...	2	...	...	...
Cholera infantum	94	84	7	2	1	...	...	...	...	...	...	...	...	...	...	...
Cholera morbus	11	...	...	...	...	...	...	...	...	4	...	3	4	...	...	...
Croup	90	9	21	30	26	3	...	...	1	...	...	...	...	...	...	...
Diphtheria	151	5	25	59	45	9	5	2	...	1	...	...	...	...	...	...
Diarrhœa	24	13	1	1	...	...	...	...	1	3	3	1	...	...	...	1
Dysentery	26	5	2	2	3	...	1	2	...	3	1	6	...	1	...	...
Erysipelas	18	7	...	...	...	...	...	...	5	3	...	2	1	...	...	...
Fever, malarial	19	2	...	...	...	1	1	3	5	1	4	2	...	...	...	...
Fever, typhoid	152	...	3	18	13	7	22	36	29	11	6	6	1	...	...	...
Fever, typhus	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Fever, undefined	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Influenza	7	6	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Leprosy	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Measles	40	17	13	7	3	...	...	...	...	...	...	...	...	...	...	...
Parotitis	2	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...
Pertussis	17	9	5	2	1	...	...	...	...	...	...	...	...	...	...	...
Pyæmia	24	2	...	1	1	2	...	6	3	6	1	2	...	...	...	...
Scarlatina	28	3	2	6	16	1	...	...	...	...	...	...	...	...	...	...
Septicæmia	27	...	...	1	...	2	...	6	5	5	4	2	2	...	...	...
Smallpox	67	3	1	3	3	1	4	20	13	5	8	4	...	...	...	9
Order 2—Enthetic.																
Syphilis	24	15	...	...	...	...	...	2	3	3	1	...	...	...	...	...

MORTUARY STATISTICS.

25

No. V.

REGISTERED DURING YEAR ENDING JUNE 30, 1888.

SEX.	RACE.	WARDS.												Public Institutions.	Casualties.	Succuties.	NATIVITIES.				
		1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.				Foreign Countries.	Atlantic States.	Pacific Coast.	Unascertained	
Male.....	Female.....	Caucasian.....	Mongolian.....	African.....	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.	1297	2759	1004	2193	30
3890	2146	5486	530	20	152	311	39	568	69	274	215	310	375	468	1131	827	1297	2759	1004	2193	30
3757	2116	5405	438	20	146	305	35	493	63	246	211	308	369	459	1121	818	1289	2620	987	2179	77
143	30	81	92	..	6	6	4	75	6	28	4	2	6	9	10	9	8	139	17	14	3
500	383	857	27	4	24	42	6	46	7	23	36	42	70	76	214	130	172	204	105	572	7
861	397	1102	153	3	25	63	3	142	17	70	36	65	71	83	227	127	329	744	283	223	8
1830	1087	2698	211	8	71	160	20	264	33	126	99	163	186	241	544	437	568	1375	485	1030	27
293	211	470	29	5	9	31	1	29	1	19	19	27	26	43	107	63	124	132	44	304	24
263	33	278	18	..	17	9	5	12	5	8	21	6	16	16	29	56	96	165	70	50	11
143	30	81	92	..	6	6	4	75	6	28	4	2	6	9	10	9	8	139	17	14	3
31	33	64	..	..	1	1	2	3	1	..	..	7	2	5	10	5	27	5	..	59	..
48	46	94	..	..	4	8	1	3	..	1	2	3	11	7	33	16	5	..	4	2	88
8	3	11	..	..	..	2	..	..	1	..	..	1	1	2	1	2	1	..	9	2	..
54	36	89	1	..	3	5	1	5	2	4	4	5	12	7	26	11	5	..	4	6	79
81	70	150	..	1	3	6	2	2	..	4	12	9	18	22	40	27	6	..	13	14	124
20	4	23	1	..	..	..	..	1	..	..	1	1	1	3	8	5	4	..	10	4	10
15	11	23	3	..	..	2	..	3	..	3	1	1	2	2	6	1	5	..	11	3	12
10	8	18	..	..	1	..	..	1	..	1	..	1	2	1	3	7	2	..	6	4	7
9	10	17	2	..	..	..	..	2	..	..	..	1	3	1	4	4	4	..	11	2	6
93	59	159	2	..	7	6	..	7	1	5	7	6	11	8	31	26	37	..	59	32	60
..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
..	1	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1
3	4	7	..	..	..	..	..	..	..	..	..	..	1	..	3	1	2	..	..	..	7
1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..
20	20	40	..	..	3	7	..	2	..	1	4	1	1	6	8	7	..	..	6	34	..
..	2	2	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	1	1	..
9	8	17	..	1	1	..	1	1	..	1	1	1	1	1	6	3	1	..	1	16	..
14	10	23	..	1	..	..	..	1	..	1	..	2	..	1	5	4	10	..	10	4	10
14	14	28	..	..	1	1	..	1	..	3	1	2	3	14	3	..	..	..	3	4	21
11	16	27	..	..	2	..	1	1	..	1	..	2	1	2	6	3	9	..	16	4	7
43	19	50	15	2	1	..	..	13	..	3	..	1	1	..	1	3	44	..	32	17	14
..
11	13	22	2	..	1	..	1	1	..	..	..	..	..	4	7	1	9	..	9	..	15

TABLE No. V

CAUSES OF DEATH.	Total.	AGES.															Unas- certained.
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	Over 100.	
CLASS II—CONSTITUTIONAL DISEASES																	
Order 1—Diathetic.																	
Cancer.....	25								3	7	5	4	5	1			
Cancer of abdomen.....	3										3						
Cancer of bladder.....	2									1	1						
Cancer of breast.....	10									4	3	2	1				
Cancer of face.....	5								1		2	1			1		
Cancer of intestines.....	15										9	5	1				
Cancer of kidney.....	2									1		1					
Cancer of leg.....	2										1			1			
Cancer of liver.....	30							3	5	7	9	5	1				
Cancer of lungs.....	1									1							
Cancer of mouth.....	9								1		3	4	1				
Cancer of neck.....	2											1	1				
Cancer of stomach.....	43							1	5	8	14	11	3	1			
Cancer of testicle.....	1								1								
Cancer of throat.....	10									3	2	5					
Cancer of uterus.....	30								5	6	6	13					
Gout.....	3									1		1	1				
Lupus.....	1												1				
Rheumatism.....	10	1					2		3	1	1	2					
Rickets.....	1				1												
Order 2—Tubercular.																	
Lymphadenoma.....	1								1								
Melanosis.....	1													1			
Phthisis pulmonalis.....	905	6	5	11	3	14	33	230	261	177	89	60	15	1			
Serofula.....	6	2		3		1											
Serofulous abscess (psoas).....	1									1							
Serofulous disease, hip-joint.....	3				2				1								
Serofulous disease, knee-joint.....	3							1	1	1							
Tabes mesenterica.....	12	3	4		1		1	2		1							
Tubercular meningitis.....	25	9	6	4	5		1										
Tuberculosis, general.....	1		1														
Order 3—Dietic.																	
Alcoholism.....	68				1			4	17	18	21	6	1				
Anemia.....	15	2						2	4	3	1	3					
Leucocythemia.....	5			1					1	1	1	1					
Morphine poisoning, chronic.....	3							1	1	1							
Purpura hæmorrhagica.....	4	1	1			1											

MORTUARY STATISTICS.

—CONTINUED.

SEX.	RACE.		WARDS.												Public Institutions.					Suicides.	Homicides.	NATIVITIES.				
			1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.						Foreign Countries.	Atlantic States.	Pacific Coast.	Unascertained.			
Male	Female	Caucasian	African	Mongolian																						
12	13	25			1	1		1	1	1	2	3	2	4	7					18	6	1				
2	1	3											2	1						2	1					
2	2	2							1				1							1	1					
	10	10								1	3	1	2	1	12					8	12					
5		4	1			2							1	1	12					3	12					
11	4	15			2				3		2	1	3	2						12	3					
1	1	1	2							1					1					1		1				
1	1	2									1				1					2						
19	11	30			2		1	1		1	3	3	6	2	11					16	11	3				
1	1	1													1					1						
8	1	8	1					3			1	1	3		1					4	1	4				
2	2	2													1					2						
28	15	42	1		6	4	1	2	1	1	3	14	6	5	1					36	4	2	1			
1	1	1													1					1						
8	2	10		1	1			2		1			3	2						9	1					
	30	30			1	1					6	3	3	7	6	3				21	8	1				
3	3	3													1					1	2					
1	1	1												1						1						
7	3	8	2			2		1	1			1	2	1	2					7	2	1				
1	1	1			1																	1				
1	1	1																								
1	1	1																								
643	262	759	143	3	18	34	1	122	15	58	21	45	53	155	84	254				537	209	156	3			
1	5	3	3			1		1		1		1	1									6				
1	1	1																		1						
4	2	1						1		1										1		2				
3	3	3												1	2					1	2					
9	3	12			1		2	1		1		1	2	1	3					1	3	8				
18	7	25			4		2		1	1	2	4	5	5							2	23				
1	1	1													1							1				
51	17	68			3	8	1	2	1	2	4	2	5	5	10	2	23			49	8	8	3			
7	8	14	1			1		2				1	1	2	2	6				7	5	2	1			
4	1	5										1														
3	3	3				1									3						4	1				
2	2	4			1	1						1	1							2	1	2				

TABLE No. V

CAUSES OF DEATH.	Total.	AGES.															Unascertained.
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	Over 100.	
CLASS III—LOCAL DISEASES.																	
Order 1—Nervous System.																	
Apoplexy.....	161	1		1			1	6	14	27	41	37	28	5			
Brain, abscess of.....	1	1															
Brain, concussion of.....	2									1			1				
Brain, congestion of.....	51	10	4	1	6	1		5	4	8	1	6	4				1
Brain disease, undefined.....	7	1		2				1	1	1							
Brain, softening of.....	45	1			1			3	3	6	9	13	7	2			
Brain, tumor of.....	5							1		2	2						
Convulsions.....	152	107	18	20	5			1				1					
Encephalitis and meningitis.....	165	46	29	31	13	6	5	10	7	7	5	6					
Epilepsy.....	15			1	1			3	3	6	1						
Fracture of skull.....	1										1						
Insanity.....	1										1						
Myelitis.....	8	1	1	1		2		1	1	1							
Neurasthenia.....	3								1	1	1						
Paralysis (hemiplegia, etc.).....	111	1	1	1				5	10	13	23	25	27	4	1		
Paralysis agitans.....	1									1							
Tubes dorsalis.....	5			1						3		1					
Tetanus.....	14	3	1	1		2	1	2	2	2							
Order 2—Circulatory System.																	
Aneurism.....	24								7	11	4	1	1				
Angina pectoris.....	10									2	2	4	1				1
Embolism.....	5			1						2							
Heart disease, undefined.....	251	6	1	2	2	3	7	17	37	46	48	47	28	6	1		
Heart, dilatation of.....	2									1	1						
Heart, fatty degeneration of.....	19							1	2	4	2	8	2				
Heart, hypertrophy of.....	3									1	1			1			
Heart, rupture of.....	2							1			1						
Heart, vicular disease of.....	90		1		1	3	7	9	13	16	16	17	6	1			
Pericarditis.....	1					2	3	1	1	1			2				
Order 3—Respiratory System.																	
Asphyxia.....	12	3		1	1		1			2	2	2					
Asthma.....	27							1	7	5	5	6	3				
Bronchitis.....	173	53	34	11	5	2	2	2	10	15	13	9	12	5			
Empyema.....	5	1						1	1	1			1				
Epistaxis.....	1							1									
Laryngitis.....	6	3			1	1					1						
Lungs, abscess of.....	7							1			4	1		1			
Lungs, collapse of.....	2	2															
Lungs, congestion of.....	66	24	5	3		4		3	2	10	7	6	2				
Lungs, disease of (undefined).....	3	1										1	1				
Lungs, emphysema of.....	3								1		1	1					

MORTUARY STATISTICS.

29

—CONTINUED.

SEX.	RACE		WARDS.												NATIVITIES.										
			Caucasian	Mongolian	African	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.	Public Institutions.	Casualties.	Suicides.	Foreign Countries.	Atlantic States.	Pacific Coast.	Unascertained.	
Male																									
101	60	156	3	2	3	10	6	9	4	13	8	15	27	34	32							106	47	6	2
1	1	1																				1			
2	2	2																				2			
34	17	51			1	2	3	2	4	4	7	6	6	11	5							15	13	22	1
2	5	7			1	1	2	1	1	1	1	1	1	2	1							2	3	2	
27	18	45			1	1	2	1	4	4	5	6	7	15	2							28	11	4	2
2	3	5			1	1	1	1	1	1	1	1	1	2	2							4	1		
82	70	152			5	3	1	10	2	4	6	7	19	19	39	22	15						1	148	3
92	73	162	3		5	14	3	10	2	7	9	5	15	25	35	20	15					25	14	126	
11	4	14	1		3	3	1	1			1		1	3	1	5						6	7	2	
1	1	1									1											1			
1	1	1																				1			
2	6	8						1			1		1	1	3	1	1					2	1	5	
	3	3						1			1		1	1	1	1	1					1		2	
74	37	110	1		5	4	4	3	3	8	4	8	19	17	36							66	37	6	2
	1	1																				1		1	
4	1	5				1	1	1														4	1	1	
11	3	13	1			2	1		2		1	1	2	2	3	3						6		8	
22	2	24							2	3	2	3	6		8							18	6		
8	2	10							1				2	2	4	1						5	5		
2	3	5											2	2	3							2	1	2	
172	79	239	21		6	9	25	2	15	7	19	15	17	38	34	64						134	42	25	
2	2	2										1		1	1	1	1					1	1		
10	9	19			1							2		3	4	9						16	3		
3	3	3						1		1					1	1	1				3				
2	2	2									1				1	1	1					1	1		
63	27	89	1		4	1	5	1	3	2	7	4	3	14	19	27						58	18	13	1
6	4	9	1				1	1	1					2		4	1					4	2	4	
10	2	11	1			1		2	1	2	1	1	1	1		2						2	5	5	
22	5	17	9	1		2	7	3	1	1	1	1	2	2	5	4						17	8		2
96	77	152	20	1	6	17	2	23	2	10	2	5	10	11	41	27	17					52	18	102	1
3	2	4	1		1								1		2	1						4	1		
1	1	1						1															1		
3	3	6			1		1							1		2	1					1	2	3	
2	5	7			1		2		1						2		1					5	1	1	
2	2	2				1				1														2	
35	31	64	2		3	2	2	1		2	3	10	5	3	15	8	12					19	12	31	4
2	1	3													1	2						1	2		
3	3	3									1		1				1					3			

TABLE No. V

CAUSES OF DEATH.	Total.	AGES.														
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	Uncertained.
Lungs, gangrene of.....	1									1						
Lungs, hæmorrhage of.....	29				1		1	5	8	4	4	4	2			
Pleurisy.....	15	1		1	1				3	2	5	1	1			
Pneumonia.....	577	81	61	48	29	14	18	38	64	68	70	54	25	5	1	1
Pyo-pneumothorax.....	1							1								
Order 4—Digestive System.																
Abdomen, tumor of.....	5							1		1	2			1		
Bowels, abscess of.....	2							2								
Bowels, hæmorrhage of.....	4							1			2	1				
Bowels, obstruction of.....	15	6	1			1			2	2	1	2				
Diaphragm, inflammation of.....	1											1				
Enteritis.....	180	114	9	10	6	4	1	4	9	8	4	8	3			
Gastritis.....	53	12	6	1	1			2	3	9	8	8	3		1	
Gastro enteritis.....	5	2	2						1							
Hepatitis.....	31	1		1	1			2	10	7	6	2			1	
Hernia.....	7	1								2		3	1			
Icterus.....	11	2		1		1		1		2	2	1		1		
Indigestion.....	2	1										1				
Liver, abscess of.....	5								1	2	2					
Liver, atrophy of.....	1															
Liver, cirrhosis of.....	84			1	1		1	3	12	21	26	11	7		1	
Liver, congestion of.....	5	1	1					1		1	1					
Liver, disease of (undefined).....	19	1	1					2	4	4	1	5	1			
Liver, hydatids of.....	1									1						
(Esophagus, stricture of.....	1												1			
Peritonitis.....	90	4	1		4	5	5	16	23	8	9	12	1	2		
Perityphlitis.....	1									1						
Pharyngitis.....	1			1												
Retro-pharyngeal abscess.....	1					1										
Spleen, abscess of.....	1									1						
Spleen, tumor of.....	3		1						1	1						
Stomach, hæmorrhage of.....	10			1				2		1	3	3				
Stomatitis.....	3	3														
Tonsillitis.....	3			2	1											
Order 5—Urinary System.																
Addison's disease.....	1								1							
Bladder, calculus of.....	1									1						
Bladder, inflammation of.....	11							1	1	1	3	2	3			
Bladder, rupture of.....	1								1							
Bladder, tumor of.....	1											1				
Bladder, ulcer of.....	1												1			
Diabetes.....	13								2	2	5	4				
Fever, urethral.....	1									1						

31

[illegible]

FIRST APPENDIX TO TABLE No. V.

MORTALITY BY CLASSES AND ORDERS IN THE DIFFERENT MONTHS.

DISEASES	Total	1887.						1888.					
		July	August	September	October	November	December	January	February	March	April	May	June
All causes	6036	459	469	427	486	534	582	650	517	488	501	504	479
Specified causes	586	456	394	383	471	520	566	640	509	478	489	493	464
Unascertained causes	173	3	15	44	15	14	16	10	8	10	12	11	15
CLASSES.													
I. Zymotic diseases	888	79	50	58	101	86	111	97	67	43	60	66	69
II. Constitutional diseases	1258	73	81	73	98	118	131	127	114	115	119	113	96
III. Local diseases	2917	206	211	191	215	264	256	343	261	255	238	244	233
IV. Developmental diseases	504	67	28	35	38	40	39	51	42	44	38	40	42
V. Violent deaths	296	31	24	31	19	12	29	22	25	21	28	30	24
VI. Unascertained causes	173	3	15	44	15	14	16	10	8	10	12	11	15
ORDERS - I.													
1. Miasmatic diseases	864	78	47	53	101	85	109	93	64	41	67	63	67
2. Benthetic diseases	24	1	3	.....	1	1	3	4	3	2	1	3	2
II.													
1. Diathetic diseases	207	16	14	13	15	17	22	20	23	17	16	24	10
2. Tubercular diseases	956	55	58	47	73	95	101	92	83	93	98	86	77
3. Dietic diseases	95	4	9	13	10	6	8	15	8	5	5	3	9
III. DISEASES OF -													
1. Nervous system	748	65	58	69	49	60	59	81	63	68	59	64	62
2. Circulatory system	416	32	35	34	32	45	39	44	31	31	31	24	38
3. Respiratory system	931	48	43	39	60	82	104	146	104	86	77	80	62
4. Digestive system	551	40	46	33	54	61	34	59	36	38	57	57	45
5. Urinary system	169	16	19	11	10	11	20	16	19	19	4	10	14
6. Generative system	14	.....	2	.....	1	1	.....	1	1	2	.....	1	5
7. Locomotory system	4	.....	.....	1	.....	.....	.....	.....	1	1	.....	1	.....
8. Not localized	84	5	8	4	9	4	9	5	6	10	10	7	7
IV.													
1. Diseases of children	63	14	6	6	1	1	1	1	7	5	7	5	9
2. Diseases of women	15	2	2	1	.....	1	1	2	2	1	1	2	.....
3. Diseases of old age	74	7	1	6	1	7	9	12	8	10	6	4	3
4. Diseases of nutrition	352	44	19	22	26	31	28	36	25	28	24	29	30
V.													
1. Accident or negligence	180	20	13	17	9	11	16	12	15	10	16	22	19
2. Homicides	26	3	6	1	.....	.....	2	2	5	2	2	1	1
3. Suicides	88	8	5	12	9	1	11	8	5	9	10	6	4
4. Legal execution	2	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....
VI.													
Unascertained	173	3	15	44	15	14	16	10	8	10	12	11	15

SECOND APPENDIX TO TABLE No. V.

MORTALITY BY CLASSES AND ORDERS IN THE DIFFERENT MONTHS,
EXCLUSIVE OF MONGOLIANS.

DISEASES.	Total	1887.						1888.					
		July	August	September	October	November	December	January	February	March	April	May	June
All causes.....	5506	410	369	375	433	499	547	602	479	454	444	460	434
Specified causes.....	5425	408	364	371	430	493	536	593	473	444	435	452	423
Unascertained causes.....	81	2	5	4	3	3	11	9	6	10	9	8	11
CLASSES.													
I. Zymotic diseases.....	561	79	48	53	99	83	107	89	64	42	64	6	68
II. Constitutional diseases.....	1105	61	71	69	77	112	116	115	13	101	100	101	79
III. Local diseases.....	2706	182	197	187	201	251	245	317	242	238	212	222	213
IV. Developmental diseases.....	475	55	27	35	36	40	39	50	40	47	34	36	40
V. Violent deaths.....	278	31	21	23	17	12	29	22	24	20	25	28	23
VI. Unascertained causes.....	81	2	5	4	3	3	11	9	6	10	9	8	11
ORDERS—I.													
1. Miasmatic diseases.....	840	78	45	53	99	82	104	86	62	40	63	62	66
2. Enthetic diseases.....	21	1	3	.....	.....	1	3	3	2	2	1	3	2
II.													
1. Diathetic diseases.....	197	15	14	13	11	11	21	20	23	17	15	26	11
2. Tubercular diseases.....	815	42	48	43	56	95	87	79	72	79	80	73	61
3. Dietic diseases.....	93	4	9	13	10	6	8	16	8	5	5	2	7
III. DISEASES OF—													
1. Nervous system.....	738	65	55	69	49	59	50	81	62	66	58	63	61
2. Circulatory system.....	394	27	32	33	31	45	38	42	31	31	27	22	35
3. Respiratory system.....	834	36	39	38	54	75	109	130	92	80	62	68	56
4. Digestive system.....	489	34	43	30	49	55	36	46	33	31	42	54	41
5. Urinary system.....	171	15	19	11	10	11	19	13	17	19	17	9	12
6. Generative system.....	14	2	.....	1	1	.....	1	1	2	.....	1	5	.....
7. Locomotory system.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
8. Not localized.....	65	5	7	4	7	4	8	4	5	8	6	4	3
IV.													
1. Diseases of children.....	63	14	6	6	1	1	1	1	7	5	7	5	9
2. Diseases of women.....	15	2	2	1	.....	1	1	2	2	1	1	2	.....
3. Diseases of old age.....	71	7	1	6	1	7	9	11	8	9	5	4	3
4. Diseases of nutrition.....	326	32	18	22	34	31	28	36	23	28	21	25	28
V.													
1. Accident or negligence.....	173	29	11	17	8	10	16	12	15	9	15	22	18
2. Homicides.....	22	3	5	1	.....	.....	2	2	4	2	2	.....	1
3. Suicides.....	82	8	5	9	9	.....	11	8	5	9	8	6	4
4. Legal executions.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
VI.													
Unascertained causes.....	81	2	5	4	3	3	11	9	6	10	9	8	11

TABLE No. VI.

MORTALITY IN SAN FRANCISCO FOR TWENTY YEARS, ARRANGED ACCORDING
TO CLASSES (MONGOLIANS).

FISCAL YEARS.	CAUSES OF DEATH.						Total.
	Zymotic Diseases.	Constitu- tional Diseases.	Local Diseases.	Develop- mental Diseases.	Violent Deaths	Unascer- tained Causes.	
1868-69	60	60	42	44	12	6	224
1869-70	25	77	62	21	8	27	220
1870-71	45	96	71	21	11	51	295
1871-72	48	122	46	18	16	109	359
1872-73	25	71	17	2	12	278	405
1873-74	20	99	19	12	12	393	465
1874-75	6	48	11	9	16	363	453
1875-76	28	67	13	11	22	468	609
1876-77	81	35	7	13	41	438	615
1877-78	7	39	20	23	31	407	527
1878-79	3	120	16	17	21	346	523
1879-80	10	122	54	22	35	224	467
1880-81	18	140	33	13	15	260	479
1881-82	26	149	207	27	23	95	527
1882-83	31	195	227	20	21	64	558
1883-84	31	116	201	26	17	11	502
1884-85	50	255	221	24	19	101	470
1885-86	22	18	156	15	22	229	462
1886-87	7	45	47	14	20	355	488
1887-88	27	157	206	29	18	92	529

TABLE No. VII.

ESTIMATED POPULATION, DEATHS AND DEATH RATE OF SAN FRANCISCO
FOR TWENTY YEARS (MONGOLIAN).

FISCAL YEARS.	ESTIMATED POPULATION.	DEATHS.	PER CENT. PER 1,000.
1868-69.....	4,000*	224	56.00
1869-70.....	8,000†	220	25.58
1870-71.....	9,000	295	32.78
1871-72.....	10,000*	359	35.90
1872-73.....	12,000*	405	33.75
1873-74.....	14,500*	465	32.06
1874-75.....	19,000*	453	23.84
1875-76.....	30,000*	609	20.30
1876-77.....	30,000*	615	20.50
1877-78.....	30,000*	527	17.56
1878-79.....	30,000*	523	17.42
1879-80.....	22,000†	467	21.02
1880-81.....	22,000†	479	21.77
1881-82.....	22,000	527	23.09
1882-83.....	22,000	558	25.36
1883-84.....	22,000	502	22.81
1884-85.....	22,000	470	21.36
1885-86.....	22,000		21.
1886-87.....	22,000	488	22.18
1887-88.....	30,000	529	17.63

*According to Langley's City Directory.

†U. S. Census returns.

TABLE No. VIII.

SEX AND NATIONALITY OF DECEDENTS.

SEX AND NATIVITIES.	Total.	1887.						1888.					
		July.	August.	September.	October.	November.	December.	January.	February.	March.	April.	May.	June.
SEX.													
Males	3980	295	260	257	385	354	409	467	302	298	332	323	294
Females	2056	164	149	170	97	180	178	183	215	190	169	181	185
RACE.													
White	5484	494	367	375	432	498	547	602	476	448	444	458	433
Mongolian	532	51	40	52	53	35	35	48	38	34	57	44	45
African	20	4	2	.....	1	1	.....	.....	3	6	.....	2	1
NATIVITIES.													
Foreign	2759	197	204	206	205	245	249	296	229	230	241	235	219
Atlantic States	991	59	76	61	79	78	114	124	82	88	78	79	73
Pacific Coast	2200	139	124	143	196	204	219	230	198	158	181	179	179
Unascertained	86	14	5	14	6	7	.....	...	8	12	1	11	8
Total	6036	459	409	427	486	534	582	650	517	488	501	504	479

TABLE No. IX.

AGES OF DECEASED IN THE DIFFERENT MONTHS.

AGES.	Totals.	Mongolian.	White and Black.	1887.					1888.						
				July.	August.	September.	October.	November.	December.	January.	February.	March.	April.	May.	June.
Under 1 year of age.....	1057	118	68	73	117	85	81	86	81	73	77	90	108		
From 1 to 2.....	301	17	11	21	28	34	42	39	35	11	20	23	20		
From 2 to 5.....	313	22	13	20	25	34	25	40	23	30	29	28	12		
From 5 to 10.....	230	17	13	19	19	19	23	16	26	24	17	17	15		
From 10 to 15.....	110	4	5	2	11	10	15	15	12	10	8	8	10		
From 15 to 20.....	155	8	5	6	14	22	14	16	12	15	11	15	17		
From 20 to 30.....	606	38	45	43	38	49	63	72	40	46	68	57	47		
From 30 to 40.....	824	58	68	62	52	70	72	82	65	80	80	69	66		
From 40 to 50.....	784	51	62	61	63	80	90	75	59	66	53	60	64		
From 50 to 60.....	666	38	50	59	42	58	67	77	67	52	48	59	49		
From 60 to 70.....	562	48	45	38	48	32	49	65	55	42	55	45	40		
From 70 to 80.....	302	20	17	16	21	32	22	44	29	28	15	23	26		
From 80 to 90.....	101	11	4	6	8	8	13	17	5	8	9	8	4		
From 90 to 100.....	15			1		1	1	4	4		1	2	1		
Over 100 years.....	1							1							
Unascertained.....	9		1					1	4	3					
Total.....	6036	459	449	427	486	531	582	650	517	488	501	503	479		

TABLE No. X.

LOCALITIES OF MORTALITIES FOR EACH MONTH.

LOCALITIES.	White and Black.	Mongolian.	Total.	1887.						1888.					
				July.	August.	September.	October.	November.	December.	January.	February.	March.	April.	May.	June.
First Ward.	45	12	6	11	12	3	12	11	17	17	17	16	17
Second Ward.	34	28	20	28	28	29	9	23	32	33	33	22	34
Third Ward.	37	4	5	...	5	1	...	1	6	5	3	5	7
Fourth Ward.	564	45	38	59	54	55	56	48	36	49	47	44	53
Fifth Ward.	6	...	5	2	9	8	17	21	...	1	5	2	1
Sixth Ward.	275	2	29	23	18	13	33	43	16	24	28	20	11
Seventh Ward.	213	11	13	6	14	17	39	35	26	16	12	21	12
Eighth Ward.	31	14	27	24	25	23	44	44	22	38	23	22	21
Ninth Ward.	378	2	29	20	31	48	46	58	31	26	22	24	27
Tenth Ward.	474	53	37	48	48	34	21	28	57	4	4	33	30
Eleventh Ward.	1132	87	85	77	79	100	102	165	116	10	96	104	86
Twelfth Ward.	811	56	44	53	73	96	86	80	65	63	66	62	66
Public institutions.	1305	167	91	84	80	111	117	153	104	102	108	129	114
Casualties.	189	29	13	17	9	11	16	12	15	10	16	22	19
Suicides.	88	8	5	12	9	3	11	8	7	9	10	6	4
Homicides.	26	3	6	1	...	...	2	2	...	1	2	2	1
Legal Execution.	2	...	...	1	1	...	...	...	...	...	...	...	...
Totals.	6036	459	405	427	486	523	582	656	517	48	501	544	479

TABLE No. XI.

MONTHLY DISTRIBUTION OF MORTALITY

WARDS, PUBLIC INSTITUTIONS AND VIOLENT DEATHS.	Total.	1887.						1888.					
		July.	August.	September.	October.	November.	December.	January.	February.	March.	April.	May.	June.
City Wards	4741	358	326	350	400	417	462	495	411	388	344	375	365
City and County Almshouse	114	14	11	3	6	7	13	12	7	6	11	12	12
County Jail	3	...	...	1	2	...	...	...	...	...	...	...	...
City and County Hospital	397	16	39	24	31	39	40	37	36	35	33	39	37
City Receiving Hospital	75	3	1	4	4	3	10	13	8	6	7	8	8
Twenty-sixth Street Hospital	45	3	1	1	1	...	3	21	7	8	4	1	...
U. S. Marine Hospital	47	3	3	1	4	12	6	2	2	5	3	1	5
French Hospital	40	5	5	4	1	...	4	1	3	6	4	4	3
German Hospital	103	6	6	6	4	13	9	14	9	6	12	10	8
S. F. Female Hospital	4	1	...	...	...	...	...	...	...	...	...	...	...
Homeopathic Hospital	1	...	...	...	...	...	...	...	...	...	...	...	1
St. Mary's Hospital	142	14	6	5	4	16	14	21	16	10	13	12	11
House of Correction	3	...	...	...	...	...	...	...	...	...	...	1	2
Foundling Asylums	82	8	2	12	10	2	12	6	4	8	2	13	3
Magdalen Asylum	2	...	1	...	...	...	...	...	...	1	...	...	...
Mt. St. Joseph's Asylum	170	17	10	10	15	21	7	19	10	8	11	24	18
Catholic Orphan Asylum	7	1	5	...	...	...	...	...	...	...	1	...	...
Hebrew Orphan Asylum .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Industrial School	1	1	...	...	...	...	...	...	...	...	...	...	...
Home of Inebriates	4	...	...	...	...	...	...	1	...	...	2	1	...
Children's Hospital	1	1	...	...	...	2	...	2	1	3	...	1	1
California Women's Hospital	2	...	...	2	...	...	...	...	...	...	...	...	...
St. Luke's Hospital	26	3	2	3	1	2	...	4	2	2	3	1	3
Old Ladies' Home	8	1	...	1	1	...	2	1	...	...	1	...	1
Old People's Home	4	1	...	...	...	...	...	1	1	1	...	...	...
Ladies' P. & R. Society	3	...	...	2	...	...	...	...	...	...	...	1	...
S. F. Prot. Orphan Asylum	1	...	...	...	...	...	...	...	...	...	...	...	1
Casualties	189	...	...	...	...	...	...	...	...	...	...	...	...
Snicides	88	...	...	...	...	...	...	...	...	...	...	...	...
Homicides	26	...	...	...	...	...	...	...	...	...	...	...	...
Totals	6036	479	409	427	486	534	532	650	517	488	501	504	479

TABLE No. XII.

MONTHLY DISTRIBUTION OF MORTALITY FROM ZYMOTIC DISEASES.

CAUSES OF DEATH.	White and Black.	Chinese.	Total.	1887.						1888.					
				July.	August.	September.	October.	November.	December.	January.	February.	March.	April.	May.	June.
Cerebro-sp. Mening.	64			5	6	5	15		11		4	3	8	5	2
Cholera Infantum.	94			19	5	9	22	9	4	1	1		1	6	17
Cholera Morbus.	11			1			2	3	2	1					2
Croup.	89	1		7	4	8	6	15	16	10	6	4	5	6	3
Diphtheria.	151			20	15	9	19	14	11	10	15	7	11	15	5
Diarrhœa.	23	1		6	2		6	5	1	1	1				2
Dysentery.	23	3		2	2		4	7	3	2	3				3
Erysipelas.	18					1	1	2	3	2	1	4	2		2
Fever, Malarial.	17	2		2	1	2		2				5	4	1	2
Fever, Typhoid.	150	2		6	9	9	8	17	25	23	8	6	13	12	16
Fever, Typhus.	1													1	
Fever, Undefined.	1														
Influenza.	7						4		3						
Leprosy.		1											1		
Measles.	40			1	1	1	5	1	11	11	5	2	1	1	
Parotitis.	2								1		1				
Pertussis.	17			2	1	1	2		2			1	3	1	4
Pyæmia.	24			2		2	2	6		1	1		5	2	2
Scarlatina.	28			1		2	1		2	3	3	4	4	5	3
Septicæmia.	27			1		3	1		3	1	6	1	2	4	5
Smallpox.	52	15		3	1	1	2	4	10	27	9	4	4	2	
Syphilis.	22	2		1	3		1	1	3	4	3	2	1	8	2

TABLE No. XIII.

STATEMENT OF MARRIAGES, BIRTHS AND MORTALITY FOR FISCAL YEARS

1886-87, 1887-88.

MONTHS.	1886-87.			MONTHS.	1887-88.		
	Marrriages	Births registered.	Deaths registered.		Marrriages	Births registered.	Deaths registered.
1886—July	237	113	437	1887—July	227	145	459
August	229	113	408	August	229	173	409
September	267	180	394	September	271	185	427
October	249	129	425	October	305	168	486
November	264	99	452	November	283	122	534
December	244	93	401	December	309	220	582
1887—January	255	117	522	1888—January	253	78	650
February	233	67	451	February	242	137	517
March	109	108	445	March	217	95	488
April	247	102	4 0	April	292	137	501
May	250	121	475	May	231	144	594
June	292	104	4 5	June	313	176	479
Total	2677	1349	5359	Total	3172	1780	6036

TABLE No. XIV.

BIRTHS, MARRIAGES, DEATHS AND POPULATION FOR THE LAST TWENTY
YEARS.

YEARS.	Births Registered.	Marriages Registered.	Deaths Registered.	Population.
1868-69		2,156	4,093	147,950
1869-70	378	2,121	3,243	170,250
1870-71	403	1,957	3,214	172,750
1871-72	511	1,880	2,998	178,276
1872-73	529	2,005	3,641	188,323
1873-74	580	2,082	4,013	200,770
1874-75	563	2,263	4,163	230,132
1875-76	630	2,464	4,791	272,345
1876-77	811	2,488	6,170	300,000
1877-78	1,056	2,355	4,977	304,000
1878-79	1,504	2,240	4,493	305,000
1879-80	1,340	2,183	4,340	233,700
1880-81	1,289	2,392	4,287	234,520
1881-82	2,227	2,605	5,008	234,520
1882-83	1,667	2,686	4,988	250,000
1883-84	1,791	2,759	5,000	270,000
1884-85	1,278	2,804	5,288	270,000
1885-86	1,504	2,651	5,322	280,000
1886-87	1,346	2,977	5,359	300,000
1887-88	1,780	3,172	6,036	330,600

TABLE No. XV.

INTERMENT, DISINTERMENT AND REMOVAL PERMITS ISSUED DURING THE
FISCAL YEAR 1887-88.

INTERMENTS.	Totals.	1887.						1888.					
		July.	August.	September.	October.	November.	December.	January.	February.	March.	April.	May.	June.
Calvary.....	1435	111	119	126	120	140	126	139	116	114	100	118	106
Holy Cross.....	755	32	39	45	66	68	87	78	60	64	74	64	78
City.....	1408	109	91	104	122	91	140	163	118	121	119	127	103
Oddfellows.....	1437	103	96	89	107	146	132	125	139	126	134	125	115
Masonic.....	509	33	30	32	42	50	52	62	35	38	56	41	38
Laurel Hill.....	516	48	32	41	41	40	45	69	43	49	42	41	25
Mission Dolores.....	46	4	2	3	3	8	3	2	2	4	5	3	7
Giboth Olem.....	86	7	2	11	7	13	4	6	8	7	10	7	4
Home of Peace.....	87	8	7	5	8	4	9	9	8	9	8	6	6
St. Michaels.....	2									2			
National (Presidio).....	12	2		1			2	2	1	1	1	1	1
U. S. Marine.....	35	2	3	1	3	9	5	2	2	4			4
Removals out of county.....	372	34	19	22	22	30	39	49	29	28	35	33	32
Removals in transit.....	45	2	4	3	6	2	4	7	6		4	2	4
For anatomical purposes.....	99	11	15	4	5	7	15	7		5	7	10	13
Totals.....	6844	506	459	487	552	608	663	720	567	572	595	579	536
Disinterments.....	1135	209	339	357	88	35	16	5	7	20	29	14	22

Fees collected on 1,072 disinterments and removals out of the county \$10,720.

TABLE

DEATHS REGISTERED IN SAN FRANCISCO

MONTHS.	Total.	AGES.																SEX.	
		Under 1.	1 to 2	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	Over 100.	Un-certified	Male	Female.
January	522	85	21	34	22	9	18	46	62	70	60	45	26	14	6	4	331	191	
February	451	67	28	17	16	7	12	52	53	59	66	42	26	4	1	1	282	169	
March	445	62	19	23	20	11	14	48	55	59	60	41	19	13		1	254	191	
April	450	60	15	17	23	7	11	41	62	66	62	45	29	8		4	309	141	
May	475	80	18	24	19	12	13	42	73	76	48	31	15	10		5	299	176	
June	469	91	16	10	12	8	15	38	53	50	55	33	16	10	1	1	233	176	
July	459	118	17	22	17	4	8	38	58	51	38	48	29	11			295	164	
August	469	68	11	15	13	5	5	45	68	62	50	45	17	4		1	260	149	
September	427	73	21	20	19	2	6	43	62	61	59	38	16	6	1		257	170	
October	486	117	28	25	19	11	14	38	52	63	42	48	21	8			389	97	
November	534	85	34	34	19	10	22	49	70	80	58	32	32	8	1		354	180	
December	582	81	42	25	28	15	14	63	72	90	67	49	22	13	1		409	173	
Total	5649	996	270	266	227	101	152	543	740	787	665	497	268	109	11	17	3672	1977	

NOTE.—In the first six months of the above table, the Casualties, Suicides and Homicides are not distributed and counted in their proper wards; in the last six months they are so placed and counted. This explains an apparent discrepancy.

No. XVI.

DURING THE CALENDAR YEAR 1887.

RACE.		WARDS.												Public Institutions.	Casualties.	Suicides.	Homicides.	Legal Execution.	NATIVITIES.				
Caucasian.	Mongolian.	African.	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.				Foreign Countries.	Atlantic States.	Pacific Coast.	Unascertained.		
477	40	5	13	34	5	45	1	28	16	24	34	37	94	67	105	12	5	2	240	80	179	23	
411	36	4	8	49	2	40	2	11	12	32	24	36	66	52	88	20	8	1	230	67	146	8	
399	40	6	3	24	2	45	5	26	11	24	26	48	76	50	88	13	3	1	203	86	148	8	
397	50	3	5	24	10	44	3	21	20	24	28	36	64	47	103	11	9	1	239	61	138	12	
431	46	4	11	28	1	27	5	23	11	18	26	42	84	66	94	19	4	2	201	94	164	16	
365	41	3	17	12	6	39	9	22	13	11	22	40	68	43	73	14	19	1	200	56	144	9	
404	51	4	14	28	4	42	...	22	11	14	25	53	83	56	107	20	8	3	197	59	189	14	
367	46	2	6	20	3	38	3	22	13	27	20	37	85	44	91	13	5	6	204	76	124	5	
375	52	...	11	28	...	50	2	23	6	24	29	48	77	54	84	17	12	1	209	61	143	14	
432	53	1	12	28	5	54	9	18	19	25	31	48	79	73	85	9	9	1	205	79	196	6	
498	35	1	3	29	1	53	8	13	15	23	48	34	100	96	111	11	1	...	245	78	204	7	
547	35	...	12	9	...	56	17	33	39	44	46	21	102	86	117	16	11	2	249	114	219	...	
5193	513	33	115	313	39	543	64	262	190	290	350	480	978	734	1146	175	94	20	2	2622	911	1994	122

TABLE

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE

MONTH	BAROMETER.			TEMPERATURE.			
	Highest.	Lowest.	Monthly Average	†Maxi- mum.	†Mini- mum.	Monthly Average.	Average Dew Point.
1887.							
July	30.18	29.86	29.87	69.9	49.0	55.2	49.8
August	30.02	29.75	29.87	73.8	48.7	54.3	50.4
September	30.09	29.71	29.91	89.0	49.9	60.4	51.6
October	30.21	29.78	29.98	87.0	49.2	62.9	48.6
November	30.29	29.77	30.53	73.7	42.1	55.2	47.6
December	30.37	29.52	30.15	69.3	40.4	51.7	43.0
1888.							
January	30.58	29.54	30.13	62.8	28.7	46.3	38.4
February	30.32	29.84	30.11	76.3	41.9	52.8	44.5
March	30.47	29.64	30.03	73.7	38.0	52.5	42.8
April	30.31	29.90	30.08	87.7	46.0	56.2	47.3
May	30.18	29.79	29.97	81.1	47.4	55.4	48.1
June	30.15	29.80	29.95	79.9	53.2	61.0	53.2
For the year	30.58	29.52	30.05	89.0	28.7	55.5	47.1

*Barometer corrected for temperature and above sea level (60 feet).

†Self-registering instruments.

No. XVII.

SAN FRANCISCO, CAL., DURING THE YEAR ENDING JUNE 30, 1888.

RELATIVE HUMIDITY—PER CENT.			WINDS.			AVERAGE.	RAIN.
Highest.	Lowest.	Monthly Average.	Prevailing Direction.	†Maxim'm Hourly Vel., Miles	†Average Hourly Vel., Miles	Weather.	Inches.
100	49	83.2	W.....	35	13.0	Fair.....	T
100	48	81.9	W.....	36	11.5	Fair.....	.01
97	28	75.0	W.....	35	8.6	Clear.....	.29
100	19	65.0	W.....	34	7.7	Clear.....	T
100	31	77.6	W.....	25	5.9	Fair.....	.99
97	24	75.0	N.....	35	6.9	Fair.....	3.34
100	30	76.0	S. E.....	40	7.1	Fair.....	6.81
100	33	76.2	W.....	40	5.3	Fair.....	.94
100	10	72.9	W.....	36	8.2	Fair.....	3.60
97	39	73.9	W.....	36	9.8	Fair.....	.11
94	38	77.7	W.....	29	10.1	Fair.....	.38
97	39	76.6	W.....	35	11.9	Fair.....	.27
100	19	75.9	W.....	40	8.9	Fair.....	16.74

TABLE No. XVIII.

NUMBER OF BIRTHS DURING THE YEAR ENDING JUNE 30, 1888, AS REPORTED BY
CHIEF CENSUS MARSHAL, BY WARDS, ETC.

WARDS.	BOYS.	GIRLS.	TOTAL.
First Ward.....	88	90	178
Second Ward.....	120	189	315
Third Ward.....	8	1	9
Fourth Ward.....	78	74	152
Fifth Ward.....			
Sixth Ward.....	48	48	96
Seventh Ward.....	30	43	73
Eighth Ward.....	36	38	74
Ninth Ward.....	146	130	276
Tenth Ward.....	158	157	315
Eleventh Ward.....	671	614	1,285
Twelfth Ward.....	345	327	672
Total.....	1,734	1,711	3,445

ACCOUNT OF RECEIPTS

HEALTH DEPARTMENT, FOR YEAR ENDING JUNE 30, 1888.

MONTHS.	DISINTERMENT FUND.	FOR CARE CHINESE SMALLPOX PATIENTS BY -		RETURN ON SALARIES SMALLPOX HOSPITAL.
		PACIFIC MAIL S. S. CO.	OCCIDENTAL AND ORIENTAL S. S. CO.	
1887.				
July	\$2,080 00		\$120 00	
August.....	3,380 00	\$10 00		
September	3,540 00			
October.....	790 00			
November.....	280 00			
December.....	70 00			
1888.				
January.....	40 00			
February.....	30 00	471 00	960 00	42 50
March.....	170 00	132 00	336 00	
April.....	130 00	33 00		
May.....	90 00	201 00		
June.....	120 00			
Total	\$10,720 00	\$927 00	\$1,416 00	\$12 50

TABLE No. XIX.
SECRETARY'S FINANCIAL REPORT

OF SALARIES PAID REGULAR EMPLOYEES OF HEALTH DEPARTMENT FOR THE YEAR ENDING JUNE 30, 1888.

MONTHS.	Health Office.	City and County Hospital.	City and County Almshouse.	Smallpox Hospital, including Additional Nurses.	Quarantine Department.	City Physician's Department.	Superintendent City Cemetery.	Inspector Vaults and Disinterments paid out of Disinterment Fund.	Total.
1887—July	\$1,500 00	\$2,473 15	\$1,220 00	\$310 00	\$445 00	\$250 00	\$75 00	\$100 00	\$6,373 15
August	1,500 00	2,427 00	1,220 00	296 25	445 00	250 00	75 00	100 00	6,313 25
September	1,500 00	2,443 00	1,220 00	262 50	445 00	250 00	75 00	100 00	6,295 50
October	1,496 75	2,412 00	1,220 00	267 50	445 00	250 00	75 00	100 00	6,296 25
November	1,500 00	2,422 00	1,220 00	323 75	445 00	250 00	75 00	100 00	6,325 75
December	1,500 00	2,436 00	1,220 00	489 50	445 00	250 00	75 00	100 00	6,315 50
1888—January	1,425 00	2,358 06	1,220 00	810 00	445 00	250 00	75 00	100 00	6,033 66
February	1,500 00	2,465 34	1,220 00	1,533 05	445 00	250 00	75 00	100 00	7,588 39
March	1,500 00	2,412 00	1,220 00	1,320 58	425 00	250 00	75 00	100 00	7,322 58
April	1,500 00	2,442 00	1,230 00	405 00	445 00	250 00	75 00	100 00	6,647 00
May	1,500 00	2,347 00	1,230 00	316 25	445 00	250 00	75 00	100 00	6,243 25
June	1,500 00	2,400 50	1,230 00	336 25	445 00	250 00	75 00	100 00	6,336 75
Total	\$17,921 75	\$29,038 05	\$14,070 00	\$6,870 64	\$5,340 00	\$3,000 00	\$2,900 00	\$1,200 00	\$78,941 02

CYRIL WILLIAMS,

Secretary Health Department.

TABLE No. XX.

SECRETARY'S FINANCIAL REPORT

OF THE EXPENSES OF THE HEALTH OFFICE FOR FISCAL YEAR ENDING JUNE 30, 1888.

MONTHS.	Salaries Office Employees.....	Salary Steward City Receiving Hospital.....	Di-infectants & Fumigating Material.....	Horse-hire.....	Newspapers and Advertising Vaccination...	Books, Stationery and Printing.....	Expenses, per Separate Acct	Vaccine Matter..	Salaries Additional Physicians for Vaccinating, etc..	Salaries Additional Employees.....	Totals.....
1887—July.....	\$1,500 00	\$16 00	\$20 75	\$70 00	\$3 90	5 50	841 00	\$265 40	\$232 50	.....	\$2,155 05
August.....	1,500 00	.....	20 00	70 00	.....	114 05	17 82	914 50	160 00	.....	2,796 87
September.....	1,500 00	40 00	20 00	70 00	12 50	49 70	17 28	206 25	510 00	.....	2,425 73
October.....	1,496 75	40 00	20 00	70 00	.....	62 80	22 20	496 25	135 00	.....	2,393 00
November.....	1,500 00	40 00	.....	70 00	3 90	48 25	12 11	712 50	380 00	.....	2,766 76
December.....	1,500 00	50 00	235 05	71 00	58 23	62 55	14 73	1,171 25	574 16	.....	3,725 97
1888—January.....	1,425 00	40 00	152 65	45 00	77 45	167 10	216 08	1,171 75	1,651 66	1,131 98	7,059 27
February.....	1,500 00	40 00	463 15	360 50	6 10	91 05	161 03	1,525 00	1,698 34	2,499 59	8,344 76
March.....	1,500 00	40 00	30 00	130 00	.....	65 45	103 07	70 00	281 66	641 63	8,861 81
April.....	1,500 00	40 00	.....	70 00	.....	77 75	84 34	9 80	.....	47 50	1,829 39
May.....	1,500 00	60 00	.....	70 00	.....	50 25	103 77	3 50	.....	121 65	1,909 17
June.....	1,500 00	60 00	.....	75 00	3 90	193 57	69 97	.....	.....	73 33	1,975 77
Totals.....	\$17,421 75	\$456 00	\$961 60	\$1,170 50	\$165 95	\$988 02	\$864 00	\$7,526 20	5,673 32	\$4,515 68	\$40,243 05

CYRIL WILLIAMS,

Secretary Health Department.

San Francisco, June 30, 1888.

EXPENSES OF THE TWENTY-SIXTH STREET HOSPITAL.

FOR THE YEAR ENDING JUNE 30, 1888.

Ash Barrels	\$17 00
Blacksmithing.....	37 40
Blankets.....	1,504 47
Bread.....	136 80
Coal.....	931 55
Crockery.....	165 88
Clocks.....	24 00
Drugs.....	609 15
Drayage.....	71 25
Deputy Sheriff, watching prisoner.....	85 00
Furniture.....	566 00
Groceries (flour).....	2,244 44
Hardware.....	298 23
Horse feed.....	318 06
Horse hire.....	387 00
Horse shoeing.....	71 05
Hose.....	10 50
Iron Cots.....	385 30
Kitchen utensils.....	59 50
Lamps.....	12 70
Lumber for repairs.....	167 90
Milk.....	1,237 25
Meats and vegetables (fruits \$13 10).....	2,185 09
Mattresses.....	385 75
Plumbing.....	113 50
Printing.....	12 00
Shoes.....	3 00
Stoves.....	129 50
Sheets and towelings.....	234 00
Repairs, ambulance.....	38 50
Repairs, harness.....	20 00
Repairs, range.....	6 00
Repairs, cost labor.....	153 75
Repairs, road.....	25 50
Repairs, sewers.....	6 50
Telephone service.....	69 24
Tents.....	97 00
Wheelbarrows.....	19 00
Whisky.....	521 00
Wages and salaries.....	6,870 63

 \$20,199 99

San Francisco, June 30, 1888.

COST OF BUILDING THE ADDITION TO THE TWENTY-SIXTH STREET HOSPITAL—1888.

Lumber, shingles and battens.....	\$2,733 64	
Mill work	912 59	
Hardware	236 85	
Cartage.....	502 05	
Planing.....	28 40	
Plumbing.....	736 65	
Plans.....	15 00	
Stoves.....	106 00	
Chimneys.....	75 00	
Labor.....	2,215 19	\$7,561 37

San Francisco, June 30, 1888.

EXPENSE ACCOUNT (HEALTH OFFICE),

FOR THE YEAR ENDING JUNE 30, 1888.

Black-board for Plumber's examinations.....	\$5 00	
Boxes for documents.....	19 00	
Board in town and suppers for ambulance drivers (Small-pox Hospital)...	17 25	
Board men quarantined at No. 571 Market Street, per agreement.....	100 00	
Provisions furnished same.....	33 15	
Cleaning office.....	50 00	
Carriage-hire to Pest House, etc.....	16 50	
Draping office, mourning for Dr. J. L. Meares, late Health Officer.....	12 50	
Design for disinfector.....	25 00	
Extra work in office paid J. A. Coffey.....	40 00	
Expenses in disinfecting condemned houses, fumigating-pans, tools, candles, lanterns, etc.....	32 27	
Tubs.....	12 15	
Cartage.....	3 00	47 42
Fever thermometers, one dozen.....		24 00
Glass tumblers.....		2 00
Hire of harness, January 6 to February 14.....		15 00
Harness, cost, double set.....		37 50
Medical works, directory, books.....		18 40
Repairs—office, buggies and wagons		59 00
Scarifiers for vaccinators.....		10 00
Transom-shade, office window.....		2 00
Towels, brooms, candles, etc., for office.....		22 80
Telegrams		3 20
Telephone service for office.....		156 70
Tent erected on Plaza.....	14 50	
Fly for same.....	3 75	
Floor for same.....	3 08	
Blankets.....	7 00	
Two cots.....	5 00	33 33
Tolls on Long Bridge (going for Chinese small-pox patients).....		5 25
Veterinary surgeons, examining diseased cattle.....		65 00
Washing towels for office		11 00
Washing infected articles taken from condemned houses.....		33 00

\$864 00

San Francisco, June 30, 1888.

CYRIL WILLIAMS,
Secretary.

REPORT OF PLUMBING AND DRAINAGE INSPECTOR.

SAN FRANCISCO, July 1, 1888.

To D. E. Barger, M. D.,

Health Officer City and County of San Francisco:

SIR: I herewith present the following report as Inspector of Plumbing and Drainage for the fiscal year ending June 30, 1888.

I have issued permits for plumbing and drainage for nine hundred and seventy-one (971) buildings.

I have received seven hundred and fifty-nine (759) plans showing the plumbing and drainage of nine hundred and seventy-one (971) buildings.

I have made eight hundred and seventy-five (875) first inspections, and eight hundred and thirty-two (832) final inspections.

The following classification will show the purpose for which the buildings were erected:

Private residences.....	465
Apartment houses for two families (flats).....	175
Apartment houses for three families (flats).....	37
Apartment houses for four families.....	7
Apartment houses for six families.....	2
Apartment houses for eight families.....	2
Factories.....	6
Public schools.....	4
Churches.....	5
Boarding houses or hotels.....	10
Laundries.....	1
Stores.....	7
Stores and dwellings.....	106
Stores and warehouses.....	18
Stores and hall.....	1
Stores and offices.....	10
Stores and lodging houses.....	32
Offices.....	5
Stables.....	4
Hospitals.....	4
Theatres.....	1
Public bath house.....	1
Warehouses.....	5
Engine houses.....	2
Cable railroad depot.....	2
Public halls.....	6
College.....	1
Alterations and additions to old buildings.....	52

Total..... 971

Yours respectfully,

J. E. SWEENEY,
Inspector of Plumbing and Drainage.

LIST OF MASTER PLUMBERS.

JUNE 30, 1888.

MASTER PLUMBERS.	ADDRESS.	MASTER PLUMBERS.	ADDRESS.
Ahlbach, Jacob.....	1506 Folsom	Kearns, Thomas.....	10 Lapidge.
Ambrose, J. T.....	710 Natoma.	Keegan, James.....	47 Tehama.
Adams, Lorenzo Oswald.	433 Twenty-seventh.	Kenny, George G.....	601 Fell.
Bailey, Thomas J.....	542 Hayes.	Kerner Frank.....	713½ Minna.
Baumsteiger, A.....	1602 Post.	Keating, Thomas W.....	2205 Mission.
Bertram, Joseph.....	219 Eleventh.	Koch, Frederick.....	1063 Howard.
Bohn, John.....	112 Seventh.	Krauss, Edmund.....	49 Ritch.
Boardwell, Albert Berry.	1723 Eddy.	Lane, William Edmund.	569 Kearny.
Bush, David.....	2313 Sutter.	Lane, John H.....	502 Mason
Bush, H. T.....	100 Webster.	Lasswell, M. D.....	43 Russ.
Blackman, Morris J.....	2516 Sutter.	Leiser, Louis.....	69 Fourth.
Butler, Joseph F.....	435 Hayes.	Linehan, James H.....	1804½ Bush.
Butterworth, John B.....	722 Bay.	Lippert, Otto H.....	1311½ Kearney.
Butterworth, John W.....	1139½ Folsom.	Lowrie, John.....	225 Golden Gate ave
Bartholdi, Otto A.....	1155 Mission.	Lynch, Timothy.....	818 Howard.
Boyle, Edward D.....	60 Norfolk.	McCarthy, Charles P.....	1219 Fillmore.
Brown, B. C.....	38 Geary.	McClosky, James.....	120 Nineteenth.
Boyd, E. T.....	434 O'Farrell.	McCormick, John F.....	1510 Devisadero
Cadman, Charles R.....	1214 Polk.	McIntyre, William.....	242 Sutter.
Carpenter, John.....	807 Valencia.	McKeown, Thomas.....	512 Sixth.
Cavagnaro, J.....	739 Broadway.	McNamara, Edward J.....	1030 Hampshire.
Caulfield, Henry.....	228 Ritch.	Madden, Henry.....	311 Third, Oakland.
Clark, Thomas F.....	611 McAllister.	Manning, Thomas, M.....	819 Battery.
Cline, William.....	2606 Sacramento.	Martin, David N.....	1510½ Powell.
Connor, John H.....	528 Third.	Meehan, Charles.....	622 Green.
Cosgrove, John T.....	222½ Fulton.	Manning, G.....	612 Octavia.
Croall, James.....	2 07 Mason.	Monaghan, Thomas H.....	1432 California.
Crosthwaite, M. H.....	5th av. & Pt. Lobos.	O'Donnell, James W.....	Alameda.
Crowley, George.....	230 Sixth.	O'Donnell, T. J.....	542 Hayes.
Craig, John R.....	1039 Mission.	O'Brien, Patrick R.....	163 Perry.
Cufley, John P.....	100 Tehama.	Petersen, Sibbert.....	819 Boloes.
Cusick, James E.....	939 Mission.	Pinck, Ernest.....	3 Chatham pl.
Daniel, William L.....	407 Hyde.	Platz, Joseph.....	2629 Pine.
Dallamore, George C.....	1528 Polk.	Platz, Ed.....	2631 Pine.
De Lano, W. W.....	9 Spear.	Pothoff, W. S.....	1040 Mission.
Demers Ensebe.....	142 ½ Mission.	Raisch, Frederick.....	1525 Howard.
Doherty, J.....	1519 Jackson.	Reilly, C. J.....	607 Chestnut.
Dodge, Henry W.....	439 O'Farrell.	Reinholdt, J. D.....	1307 Buchanan.
Downes, Charles.....	2228 Mission.	Rice, Richard.....	Oakland.
Dubois, W. E.....	2581 Market.	Richardson, James.....	620 Seventeenth.
Duffey, George E.....	2686 Market.	Riley, James J.....	1221 Valencia.
Enright, William.....	1115 Devisadero.	Roane, R. H.....	527 Capp.
Ernst, Henry.....	1008 Jackson.	Robertson, Joshua H.....	139 Hancock.
Ertola, Andrea.....	1515 Dupont.	Ross, Thomas.....	316 Bush.
Farrell, Thomas J.....	17 Carolina.	Rehn, Charles.....	214 Sixteenth.
Fitzpatrick, P. D.....	1325½ Vallejo.	Ruddock, Andrew J.....	117 Ivy ave.
Ford, James F.....	404 McAllister.	Rustemeyer, W. J.....	2533 Mission.
Ford, Thomas J.....	404 McAllister.	Schuppert, A. L.....	1206 Pacific.
Forsyth, W. C.....	Alameda.	Schwartz, A.....	400 Minna.
Fritz, E. N.....	2526½ Mission.	Shafer, Francis J.....	1811 Steiner.
Gainsford, T.....	4 Golden Gate ave.	Shepard, James.....	Railroad ave. & 15th.
Gallagher, C. J.....	208 Ninth.	Shepard, William.....	Railroad ave. & 15th.
Gallagher, Joseph G.....	1221 Valencia.	Snook, Edgar N.....	726 California.

LIST OF MASTER PLUMBERS—CONTINUED.

MASTER PLUMBERS.	ADDRESS.	MASTER PLUMBERS.	ADDRESS.
Gordon, Patrick	527½ Geary.	Snook, William S.	Oakland.
Gray, John Thomas.	1 Webster.	Stuhr, G. C.	1332 Church.
Groom, Joseph P.	133 Fair Oaks.	Sweeney, M. M.	2514 Mission.
Grubb, S. N.	2074 Market.	Vance, R. A.	1224 Haight.
Gysin, A.	1411 Jackson.	Varley, Joseph Hartley. .	522 Pine.
Hahn, Andrew J.	1807 Powell.	Ward, Patrick F.	216 Twenty-fourth.
Harrigan, Michael J.	1612 Leavenworth.	Waters, J. P.	732 Seventeenth.
Healey, Timothy J.	1122 Florida.	Weber, Henry.	1204 Kearny.
Hobbs, William D.	2613 Clay.	Weeks, W. J. J.	434 Clementina.
Hufschmidt, Henry.	623 Golden Gate ave.	Welch, Joseph D.	1223 Webster.
Humphreys, George	620 Gough.	Williamson, Henry.	227 Chattanooga.
Iskelmeier, Samuel.	634 Geary.	Wilson, E. V.	1508 Octavia.
Ingram, John W.	754 Folsom.	Wilson, William F.	1231 Turk.
Iredale, Charles W.	1155 Folsom.	Wolfe, Edward.	1929 Geary.
Kane, Michael J.	15 Moss.	Wrin, M. J.	19 Fair ave.

LIST OF JOURNEYMEN PLUMBERS.

JUNE 30, 1888.

JOURNEYMEN PLUMBERS.	ADDRESS.	JOURNEYMEN PLUMBERS.	ADDRESS.
Ahlert, Feldy W.	554 Natoma.	Kelly, Frank.	1208 Green.
Allen, Frederick C.	227 Second.	Kelly, William H.	1214 Pacific.
Anderson, Charles E.	435 Jessie.	Kiernan, Philip C.	512 Howard.
Baxter, Charles.	4 Russ.	Kilday, William J.	1138 Howard.
Bell, John.	1015 Guerrero.	King, J. D.	326 Jessie.
Berkhout, P.	830 Greenwich.	Lawton, John J.	418 Fulton.
Berwick, David.	Alameda.	Layton, John.	805 Grove.
Boots, Henry.	Baldwin hotel.	Levison, Isaac M.	519 Franklin.
Boucher, L.	1511½ Market.	McCoy, Arthur.	137 Third.
Brady, Edward.	1215½ Folsom.	McDevitt, Andrew.	106 Freelon.
Britt, James E.	1191½ Harrison.	McCarthy, Charles.	1704 Leavenworth.
Broad, J. F.	1325 Vallejo.	McGowan, John J.	9 William.
Bush, Eugene.	525 Pine.	Markgraf, F. J.	2619 Sutter.
Carr, Joseph J.	441 Dolores.	Mahoney, James.	2518 Clay.
Carr, William F.	303 Austin.	Mayer, Charles.	514 Leavenworth.
Cahill, John P.	Oakland.	Meehan, Ulysses.	322 Green.
Cardiff, Richard Joseph.	319 Tehama.	Moore, John J.	1505 Franklin.
Clark, George.	412 Fell.	Mønning, Emil.	614 Octavia.

LIST OF JOURNEYMEN PLUMBERS—CONTINUED.

JOURNEYMEN PLUMBERS.	ADDRESS.	JOURNEYMEN PLUMBERS.	ADDRESS.
Clark, Joseph.....	603 Dolores.	Meyer, Samuel.....	1421 Sacramento.
Carrick, Thomas.....	1313 Twenty-fourth.	Murphy, J. W.....	1126 Market.
Cochran, John Henry.....	2021 Hyde.	Murphy, Michael.....	114½ Langton.
Calvin, James J.....	1915 Jessie.	Murray, D.....	323½ Minna.
Colton, James.....	110½ Dore.	Noonan, James.....	950 Folsom.
Coffrey, John Francis.....	46½ Natoma.	Noonan, John.....	268 Minna.
Cook, Charles.....	939 Mission.	O'Neil, John C. B.....	4 Church.
Cox, Joseph A.....	512 Howard.	O'Neil, John M.....	800 Twenty-fourth.
Cowap, S. L.....	37 Madison ave.	O'Neil, John P.....	3 White.
Dalton, H.....	130 Ivy ave.	Parker, Luke J.....	1310 Filbert.
Daly, Daniel J.....	28 Linden ave.	Patten, Henry.....	823 Filbert.
Doheny, William.....	158 Sanchez.	Peller, H.....	Ocean View.
Doran, Charles.....	526 Natoma.	Pendergast, John.....	Clay and Fillmore.
Dowling, William J.....	1807 Stevenson.	Powers, E. J.....	229 Seventeenth.
Doyle, James Peter.....	241 Sixth.	Quinn, Hugh E.....	1814 Hyde.
Dufficy, Peter.....	1878 Mission.	Reynolds, George F.....	2014 Mission.
Dunbar, Gus.....	427 Franklin.	Riley, John.....	13½ Freelon.
Dunn, William.....	37 Louisa.	Reavey, Andrew.....	1133½ Harrison.
Eccles, John C.....	1612 Stevenson.	Robinson, Thomas F.....	1034 Folsom.
Falvey, John.....	733 Market.	Rohr, Joseph.....	324½ Seventh.
Fenlon, Jeremiah.....	733 Market.	Schaefer, William B.....	354 Grove.
Fernandez, F. M.....	101 Commercial.	Schadde, Edward.....	910 Pacific.
Fisher, Moses.....	911 Howard.	Schimmelpfennig, Fred.....	Creedmore House.
Flood, Joseph.....	228 Noe.	Smith, A. W.....	1616 Leavenworth.
Frank, Joseph C.....	1908 California.	Spinks, Charles N.....	713½ Union.
Forsyth, Edward.....	726 Octavia.	Stevens, James F.....	222 Herman.
Gray, W. J.....	1 Webster.	Sweeney, Patrick C.....	A'ameda.
Guthrie, George.....	Oakland.	Tank, Henry.....	616 Natoma.
Hammond, William T.....	1709 Jones.	Thomas, Hugh.....	1240 Howard.
Hanna, James S.....	Florida near 24th.	Tobin, W. H.....	1009 Minna.
Hart, Michael.....	627 Broadway.	Ward, Peter.....	120 Jones.
Henrici, William.....	302 Herman.	Walsh, Joseph A.....	Oakland.
Heino, Lewis.....	821 Dolores.	Wedgwood, Frank L.....	2230 Pine.
Hickei, O. H.....	9 Park ave.	Welch, Michael F.....	4 Ferry (Blake st.)
Hockins, William F.....	946 Harrison.	Welsh, Joseph.....	139 Rose ave.
Hogan, Edward.....	Oakland.	Westerberg, Wm. F.....	1231 Turk.
Horgan, Thomas E.....	421 Valencia.	Wills, Alfred J.....	Thirtieth & Sanchez.
Hurney, M. J.....	137 Clara.	Witts, Richard.....	5 Lausatt.
Jeffries, E. F.....	1306 Montgomery.	Wood, George F.....	1613 Folsom.
Johnson, Patrick J.....	2008 Larkin.	Wrin, J. B.....	19 Fair ave.
Kaskell, Gus.....	310½ Sixth.	Young, Conrad.....	1429 Dupont.
Kearney, Patrick W.....	46 Silver.		

REPORT OF TWENTY-SIXTH STREET HOSPITAL.

SAN FRANCISCO, July 1, 1888.

D. E. BARGER, M. D.,

Health Officer.

SIR: I herewith submit my report of matters pertaining to the Twenty-sixth Street Hospital for the fiscal year closing 30th of June, 1888.

SMALL-POX,

There were thirteen cases of small-pox on hand July 1, 1887.

Admitted from that date to June 30, 1888, five hundred and twelve cases, giving as the whole number treated, five hundred and twenty-five.

Of these four hundred and sixty-seven have been discharged cured, forty-three have died of the disease, four have escaped, and eleven remain on hand.

The death rate has been 8.18 per cent.

TABLE 1.

TYPE.	NUMBER OF CASES.	DEATHS.	PER CENT. OF DEATHS.
Varioloid	112	..	....
Varioid, discreet.....	319	15	4.70
Varioid, confluent.....	60	13	21.66
Varioid, hemorrhagic (black).....	21	15	71.

TABLE 2.

AGES.	NUMBER OF CASES.	DEATHS.	PER CENT. OF DEATHS.
Under five years	28	5	17.68
Between five and ten years.....	24	2	8.33
Between ten and twenty years.....	152	9	4.70
Between thirty and forty years	99	10	10.1
Between forty and fifty years.....	59	6	10.1
Between fifty and sixty years	25	5	20.
Between sixty and seventy years.....	17	2	11.76

TABLE 3.

NATIVITY.	NO. OF CASES.	NATIVITY.	NO. OF CASES.
United States.....	280	Cape Verde Island.....	5
China.....	48	Alsace.....	3
Germany.....	43	Austria.....	3
England.....	26	Po and.....	2
Ireland.....	22	Tahiti.....	1
Canada.....	10	Central America.....	1
Denmark.....	9	Alaska.....	1
Sweden.....	9	West Indies.....	1
France.....	8	Finland.....	1
Italy.....	7	Belgium.....	1
Scotland.....	7	Holland.....	1
Mexico.....	7	Sandwich Islands.....	1
Norway.....	6		

LEPROSY.

There were on hand on the 1st of July, 1887, three cases of leprosy.

Remained during the fiscal year closing June 30, 1888, three cases.

Whole number treated during the fiscal year, six.

Of these two have died, one escaped, and three remain on hand.

Three are natives of the Sandwich Islands, one of China, one of Japan, and one of the United States, who contracted the disease in the Sandwich Islands.

One case of secondary syphilis was admitted and discharged cured.

During the month of January I was ably assisted in the discharge of my duties by Dr. S. S. Herrick, now of the Health Office.

From January 20th to May 1st, Dr. George F. Bradbury, now in the Quarantine service, was Superintendent.

J. E. PELHAM, M. D.,
Resident Physician.

REPORT OF QUARANTINE OFFICER.

SAN FRANCISCO, June 30, 1888.

D. E. BARGER, M. D.,

Health Officer City and County of San Francisco:

SIR: I have the honor to submit the following report for the fiscal year ending June 30, 1888:

Thirty-two vessels were placed in quarantine during the year, and forty-two cases of small-pox were removed to the Twenty-sixth Street Hospital. Thirteen persons afflicted with typhus fever were sent from the steamship City of Peking to the quarantine hulk Shenandoah for treatment.

During the past year cholera has been epidemic in South America, extending as far north on the Pacific side as the northern boundaries of Chili.

A resolution passed by the Honorable Board of Health required a quarantine, thorough inspection and fumigation, of all vessels hailing from cholera-infected ports of South America. This order has been obeyed, and on the arrival of vessels from these ports, they have been placed in quarantine, and every precaution taken to prevent the introduction of cholera into this port.

The following shows number of vessels that entered this port during the fiscal year subject to quarantine fees, the amount received and receipts.

YEAR	MONTH	NO. OF VESSELS.	DUES.	RECEIPTS.
1887	July.....	55	\$362 50	\$362 50
1887	August.....	74	452 50	452 50
1887	September.....	70	432 50	432 50
1887	October.....	94	632 50	632 50
1887	November.....	79	550 00	550 00
1887	December.....	72	477 50	477 50
1888	January.....	88	630 00	630 00
1888	February.....	66	415 00	415 00
1888	March.....	69	430 00	430 00
1888	April.....	90	570 00	570 00
1888	May.....	73	472 50	472 50
1888	June.....	94	605 00	605 00
Total.....		925	\$6,030 00	\$6,030 00

EXPENSES QUARANTINE DEPARTMENT FOR THE FISCAL YEAR 1887-8.

1887.	Salaries.....	Rent.....	Reporting Vessels.....	Pacific Bell Telephone..	Coal.....	Ship Chand- lery.....	Boat Hire. ..	Injector for Steamer....	Printing.....	Repairing Steamer....	Total..
July.....	\$445	\$30	\$20	\$10	\$45 00		\$4 00				\$554 00
August.....	445	30	20	10	27 00			\$30 00			562 00
September.....	445	30	20	10	52 50	\$ 9 74	4 00				571 24
October	445	30	20	10	52 50						561 00
November.....	445	30	20	10	42 00	19 47	3 50				570 47
December.....	445	30	20	10	63 00	13 75	4 00				590 25
1888											
January.....	445	25	20	10	84 00	15 15	8 50				603 15
February.....	445	25	20	10	75 00	17 58	4 00		\$11 50		604 08
March.....	445	25	20	10	96 00	14 56					610 56
April.....	445	25	20	10	64 00		6 00			88 75	658 75
May.....	445	25	20	10		28 16			12 00		538 18
June.....	445	25	20	10		9 00				39 00	548 00
Total.....	\$5,340	\$330	\$240	\$120	601 00	\$125 43	\$34 00	\$30 00	\$23 50	127 75	\$6,971 68

I am, very respectfully,

Your obedient servant,

W. F. McALLISTER, M. D.,

Quarantine Officer.

MARKET INSPECTOR'S REPORT.

SAN FRANCISCO, July 1, 1888.

TO D. E. BARGER, M. D.,

Health Officer of the City and County of San Francisco:

DEAR SIR: I have the honor to report that my predecessor, from July 1, 1887, to March 31, 1888, reports the following as the result of his efforts as Market Inspector, taken from the books of the Health Office, viz:

Fifteen thousand and fifty (15,050) lbs. beef.	Seven thousand nine hundred (7,900) lbs. fish.
Twelve hundred and fifty (1,250) lbs. mutton.	Five hundred (500) lbs. bacon.
Thirteen hundred and fifty (1,350) lbs. pork.	Sixty-eight (68) chickens.
Four (4) hogs.	Five hundred and forty (540) wild ducks.
Eighty-three (83) sheep.	Five hundred (500) Eastern turkeys.
Six hundred and thirty-eight (638) calves.	One hundred and fifty (150) wild hares.
Two (2) cows.	One hundred and fifty (150) Eastern hams.
Thirty-eight (38) cattle.	One hundred and fifty six (156) wild geese.
Seven (7) deer.	Forty-eight (48) dozen quail.

During my term of office, commencing April 1, 1888, to close with the fiscal year ending June 30, 1888, I respectfully present the following as the confiscations made, viz:

Five thousand and fifty (5,050) lbs. beef.	One hundred and fifty-six (156) calves.
Four Thousand three hundred (4,300) lbs. pork.	Eighteen (18) hogs.
Six (6) sheep.	Three (3) cows.

In addition to my duties as Market Inspector, I have received fifteen complaints of horses suffering from glanders, fourteen of which were deprived of life, and one, upon examination, was found not to be suffering from that disease.

Very respectfully,

HUGH CRUMMEY,

Market Inspector,

CITY PHYSICIAN'S REPORT.

OFFICE OF THE CITY PHYSICIAN,
SAN FRANCISCO, August, 1888. }

To the Honorable the Board of Supervisors

Of the City and County of San Francisco:

GENTLEMEN: In compliance with resolution No. 786 (Third Series), I have the honor to submit to your consideration my twelfth annual report for the fiscal year ending June 30, 1888.

The County Jail has maintained a very good sanitary condition for the past year. Only one case of small-pox has occurred, and an outbreak of an epidemic was prevented by repeated vaccination of the inmates, and thoroughly fumigating, disinfecting, cleaning and whitewashing the institution. The predominant diseases were rheumatism, bronchitis, pneumonia (of which one died), syphilis and gonorrhœa.

The number of indigent sick applying daily at my office is about the same as last year.

The number of autopsies made for the Coroner has increased (95 last year to 116 this year).

In the interest of the public I have hereofore called the attention of your Honorable Body to some very urgent needs of the city, which necessarily come under my observation as City Physician. Your Board has long considered the necessity of removing the City Receiving Hospital to more agreeable and sunny quarters. This change is certainly desirable, and this decided benefit will be welcomed by the people who understand the urgent necessity that impelled such action.

In this connection I beg leave to call your attention to another

improvement that would render our hospital service more effective at little cost to the municipality.

I refer to the much-needed ambulance service. We rank among the largest cities of the Union, yet cities of less size have such a service. I recommend that in the establishment of this service at least one well-appointed ambulance should be located near the City Receiving Hospital, to be in readiness to respond to an alarm. This ambulance to be provided with an Ambulance Surgeon, who for that purpose should be in constant attendance at the City Receiving Hospital, under direction of the Police Surgeon. The Ambulance Surgeon to be appointed like the internes of the City and County Hospital, and serve without compensation; and when on duty, to be recognized by the words "Ambulance Surgeon" printed on the band of his cap. In case of an accident, provision could be made for notifying the police officer on the beat, whose duty it should be to at once telephone to the City Receiving Hospital for the ambulance, which, provided with driver, surgeon, and all appliances for temporary dressings of emergency cases, could immediately proceed to the scene of accident. The ambulance to be provided with a gong-bell, the sound of which should be recognized by the police authorities as commanding right of way over everything on the streets, except the fire engines. In case of very large fires, the ambulance should go to the fire, report to the Chief of the department in command, and remain until the danger of accidents is thought to have passed.

The reasons for my recommendations will be apparent, when you consider that much harm is often done to injured persons by careless handling of would-be kind friends. Particularly does this obtain in the case of fractures, when limbs are often much damaged by untrained handling and rough riding. Hemorrhage is frequently promoted, sometimes to a fatal issue, which might be controlled and life saved by the intelligent care of a surgeon promptly on the ground.

The number of patients treated in the City Receiving Hospital during the last year was 4,698, as compared with 2,709 for the previous year, an increase of nearly 2,000 in one year, and with the rapid growth of the city and the great spread of the cable

roads over such a vast territory, means a proportion of increase of work for the succeeding year.

Cases attended in the County Jail.....	1,445
Cases attended indigent sick.....	2,378
Cases attended in City Receiving Hospital.....	4,698
Vaccination in County Jail.....	390
Vaccination in office.....	580
Total.....	<u>9,491</u>

Sent from County Jail to the City and County Hospital.....	3
Sent from County Jail to the Pest House.....	1
Sent from County Jail before Commissioners of Insanity	3
Died in County Jail.....	2
Executed in County Jail.....	2
Autopsies made for the Coroner	116

Very respectfully,

CHAS. BLACH, M. D.,

City Physician and Police Surgeon.

AUTOPSIES MADE FROM JULY 1, 1887, TO JUNE 30, 1888.

Total number	116
--------------------	-----

SEX.

Male.....	91
Female.....	25
Total	<u>116</u>

RACE.

Caucasian.....	105
Indian.....	1
Mongolian.....	10
Total.....	<u>116</u>

CLASSIFICATION OF AGES.

Under 10 years.....	9	From 40 to 50 years.....	21
From 10 to 20 years.....	6	From 50 years and over.....	19
From 20 to 30 years.....	29	Unascertained.....	6
From 30 to 40 years.....	23	Total.....	<u>116</u>

NATIVITY.

UNITED STATES.

Alabama.....	1	Minnesota.....	1
California.....	19	New Jersey.....	1
Illinois.....	2	New Mexico.....	2
Indiana.....	1	New York.....	8
Iowa.....	1	Vermont.....	1
Kentucky.....	1	Washington Territory.....	1
Maine.....	1	Wisconsin.....	1
Massachusetts.....	8		
Total.....			49

FOREIGN.

Canada.....	1	New Brunswick.....	1
China.....	10	New Zealand.....	1
England.....	3	Norway.....	2
Finland.....	1	Nova Scotia.....	3
France.....	3	Scotland.....	3
Germany.....	6	Sweden.....	1
India.....	1	Switzerland.....	2
Ireland.....	18	Unascertained.....	7
Italy.....	2		
Japan.....	1	Total.....	67
Malta.....	1		

CLASSIFICATION OF CAUSES OF DEATH.

Abortion.....	2	Lungs, congestion.....	11
Anamia.....	2	Lungs, oedema.....	1
Asphyxia.....	4	Pericarpitis.....	1
Apoplexy, cerebro.....	3	Peritonitis.....	3
Apoplexy, serous.....	8	Peritonitis, bullet.....	3
Bladder, rupture.....	1	Phthisis pulmonalis.....	1
Birth, premature.....	1	Pleurisy.....	1
Brain, bullet.....	4	Pneumonia.....	6
Brain, concussion.....	1	Poison, arsenic.....	1
Brain, congestion.....	10	Poison, carbolic acid.....	1
Brain, laceration.....	1	Poison, hydrocyan.....	1
Burns.....	1	Poison, morphine.....	1
Hemorrhage external, knife.....	1	Poison, opium.....	1
Hemorrhage internal, bullet.....	10	Pyæmia.....	1
Hemorrhage internal, knife.....	2	Skull fracture.....	1
Hemorrhage, rupture blood vessel.....	2	Septicæmia.....	2
Hanging.....	2	Starvation.....	1
Heart, bullet.....	3	Still-born.....	1
Heart Disease.....	2	Wound, bullet, spine.....	2
Heart enlargement.....	2	Wound, bullet, kidney.....	1
Heart, fatty degeneration.....	1	Wound, knife, intestines.....	1
Heart rupture.....	1	Natural causes....	8
Liver cancer.....	1		
Liver rupture.....	1	Total.....	116

REPORT OF THE ASSISTANT CITY PHYSICIAN.

SAN FRANCISCO, July 1st, 1888.

To Doctor Charles Black, City Physician.

SIR: I have the honor to submit my report for the year ending June 30th, 1888.

White males treated.....	3,979
White females treated.....	628
Chinese, males treated....	52
Negro, males.....	17
Negro, females.....	2
Total.....	4,678

EVENT.

Discharged.....	2,902
Sent to cell.....	1,311
“ City and County Hospital.....	249
“ French Hospital.....	1
“ German Hospital.....	5
“ St. Mary's Hospital.....	9
“ Marine Hospital.....	10
“ Children's Hospital.....	1
“ Home of Inebriate.....	87
Sent before Commissioners of Insanity.....	3
Sent to the Alms House.....	32
Brought in dead.....	1
Died.....	87
Total.....	4,698

The cases treated classified as follows:

Abscess of arm.....	7
“ leg.....	3
“ foot.....	2
“ hand and fingers.....	34
“ shoulder.....	6
“ body.....	18
Alcoholism.....	675
Asthma.....	13
Apoplexy.....	9
Bronchitis.....	24
Bubo.....	5
Brain, congestion of.....	1

DISEASES TREATED AT RECEIVING HOSPITAL—CONTINUED.

Burns of body.....	3
" head and face.....	15
" limbs.....	41
Colic.....	58
Conjunctivitis.....	6
Contusion of limbs.....	16
Concussion of brain.....	16
" spine.....	11
Constipation.....	101
Childbirth.....	2
Contusion of body.....	46
Debility, general.....	55
Disease of kidneys.....	1
" heart.....	20
" womb.....	2
Diarrhœa.....	18
Diphtheria.....	1
Dyspepsia.....	7
Dysentery.....	2
Dislocation of ankle joint.....	5
" elbow joint.....	5
" clavicle.....	3
" shoulder joint.....	30
" knee joint.....	1
" wrist joint.....	6
" jaw.....	1
" finger.....	20
" toe.....	2
Epilepsy.....	102
Epistaxis.....	14
Erysipelas.....	5
Eczema.....	10
Fever, malarial.....	21
" typhoid.....	1
Foreign bodies.....	72
Fracture of clavicle.....	17
" carpal bones.....	20
" femur.....	22
" fibula.....	16
" finger.....	68
" humerus.....	21
" pelvic bones.....	1
" inferior maxillary.....	8
" superior maxillary.....	3
" nasal bones.....	24
" patella.....	6
" toes.....	14
" radius.....	44
" radius and ulna.....	35
" ribs.....	37
" scapula.....	10
" ankle.....	6

DISEASES TREATED AT RECEIVING HOSPITAL—CONTINUED.

Fracture of skull.....	20
" metacarpal bones.....	6
" tarsal.....	3
" tibia.....	17
" tibia and fibula.....	36
" ulna.....	11
" sternum.....	1
Gastritis.....	2
Gonorrhœa.....	14
Hydrocele.....	1
Hernia.....	8
Insanity.....	26
Hæmorrhage of bowels.....	5
Hysteria.....	16
Potts' disease.....	1
Lungs, hæmorrhage from.....	7
Spine, lateral curvature.....	1
Miscarriage, effects of.....	1
Milk breast.....	1
Orchitis.....	4
Edema of limbs.....	6
Pneumonia.....	4
Pleurisy.....	4
Paralysis.....	19
Phthisis.....	9
Phymosis.....	1
Poisoning by unknown agent.....	7
" iodine.....	1
" opium.....	21
" sulphate of copper.....	1
" morphine.....	27
" arsenic.....	1
" chloral.....	1
" strychnia.....	3
" gas.....	2
Rheumatism.....	22
Rubeola.....	3
Rape, results of.....	2
Retention of urine.....	8
Sprain of Ankle.....	52
" Arm.....	7
" Back.....	7
" Elbow.....	18
" Finger.....	10
" Toe.....	3
" Foot.....	6
" Hand.....	1
" Hip.....	3
" Knee.....	21
" Leg.....	1
" Shoulder.....	32
" Thumb.....	5
" Wrist.....	48

DISEASES TREATED AT RECEIVING HOSPITAL CONCLUDED.

Stricture.....	1
Scurvy.....	1
Submersion.....	42
Strangulation.....	1
Syphilis.....	10
Toothache.....	26
Uraemia.....	2
Ulcer of leg.....	15
" " foot.....	1
Vanecose veins.....	1
Vertigo.....	3
Wound of Arm.....	105
" " Abdomen.....	10
" " Back.....	19
" " Body.....	10
" " Chest.....	26
" " Buttock.....	4
" " Brain.....	5
" " Ear.....	31
" " Eye.....	71
" " Foot.....	52
" " Face.....	379
" " Finger.....	323
" " Groin.....	7
" " Hand.....	239
" " Hip.....	4
" " Knee.....	23
" " Leg.....	87
" " Lip.....	33
" " Neck.....	10
" " Scalp.....	517
" " Throat.....	11
" " Wrist.....	13
" " Vertabrae.....	1
Neuralgia.....	8
Fistula in Ano.....	1
Vaccination.....	175
Brought in dead.....	1
Total.....	4,693

Respectfully,

Your obedient servant,

E. D. MARTINEAUT, M. D.

Police Surgeon.

ALMS-HOUSE REPORT.

To the Honorable the Board of Health

Of the City and County of San Francisco :

GENTLEMEN : I respectfully submit to your Honorable Body the following report of the condition and affairs of the City and County Alms-House for the fiscal year ending June 30th, 1888 :

NUMBER OF INMATES ADMITTED.

Males.....	521	
Females.....	145	
		666
Remaining in the House July 1, 1887.....		623
Total to be accounted for.....		1,289

NUMBER OF INMATES DISCHARGED, ETC.

Number of inmates discharged at own request.....	371
Number of inmates ran away.....	177
Number of inmates died.....	121
Number of inmates transferred to insane asylum.....	5
Remaining in the House July 1, 1888.....	615
Total.....	1,289
Daily average number of inmates.....	625

NATIVITY OF INMATES.

UNITED STATES.

Alabama.....	1	Mississippi.....	1
California.....	19	New York.....	34
Connecticut.....	11	New Jersey.....	6
Florida.....	3	North Carolina.....	2
Georgia.....	2	New Hampshire.....	1
Illinois.....	4	Ohio.....	5
Indiana.....	2	Pennsylvania.....	14
Kentucky.....	5	Rhode Island.....	2
Kansas.....	1	Tennessee.....	4
Louisiana.....	5	Texas.....	1
Maryland.....	6	Virginia.....	11
Massachusetts.....	23	Vermont.....	2
Maine.....	5	Unknown.....	1
Total for United States.....			178

FOREIGN.

Australia.....	4	Ireland.....	291
Austria.....	2	Italy.....	7
Algeria.....	1	Mexico.....	2
Canada.....	13	Norway.....	6
China.....	2	Newfoundland.....	1
Chili.....	1	Portugal.....	2
Denmark.....	2	Peru.....	1
England.....	35	Russia.....	4
France.....	25	Switzerland.....	9
Finland.....	2	Scotland.....	13
Germany.....	57	Sweden.....	4
Greece.....	1	Spain.....	1
Holland.....	2	Wales.....	5
Total.....			668

OCCUPATION OF INMATES.

Actor.....	1	Hatter.....	1
Apothecary.....	3	Harnessmaker.....	1
Blacksmith.....	12	Hotel-keeper.....	1
Basket Maker.....	1	Jeweler.....	1
Bookkeeper.....	6	Laborer.....	131
Bag Maker.....	1	Lawyer.....	1
Brewer.....	1	Laundress.....	4
Bootblack.....	2	Merchant.....	4
Butcher.....	6	Moulder.....	2
Barber.....	7	Machinist.....	4
Boiler Maker.....	2	Musician.....	1
Baker.....	11	Miner.....	29
Clerk.....	24	Marble Cutter.....	5
Carpenter.....	24	Nurse.....	5
Coachman.....	3	Peddler.....	11
Chair Maker.....	1	Painter.....	12
Cutler.....	1	Printer.....	8
Cook.....	32	Physician.....	2
Carriage Builder.....	2	Railroader.....	3
Caulker.....	2	Roofer.....	1
Civil Engineer.....	1	Sawyer.....	2
Clergyman.....	1	Surveyor.....	3
Dress Maker.....	2	Servant.....	40
Engineer.....	7	Sailor.....	22
Farmer.....	11	Seamstress.....	3
Foundryman.....	1	Shoemaker.....	11
Fireman.....	4	Saloon Keeper.....	2
Fruit Dealer.....	1	Stableman.....	9
Fisherman.....	2	Saddler.....	2
Gardener.....	16	Slater.....	1
Glass Blower.....	1	Stone Mason.....	5
Groceryman.....	1	Stevedore.....	4
Gasfitter.....	1	Stewardess.....	3
Housekeeper.....	70	Steward.....	3

OCCUPATION OF INMATES—CONTINUED.

Soap Maker.....	1	Teacher.....	2
Tailor.....	5	Upholsterer.....	2
Tinsmith.....	4	Veterinary Surgeon.....	1
Translator.....	1	Waiter.....	5
Teamster.....	9	Wood Turner.....	1
Typefounder.....	1	Watchman.....	1
Tanner.....	2	No occupation.....	33
<hr/>			
Total.....			666

AGES OF INMATES.

From 1 year to 9 years.....	11	From 50 years to 59 years.....	150
From 10 years to 19 years.....	13	From 60 years to 69 years.....	199
From 20 years to 29 years.....	17	From 70 years to 79 years.....	79
From 30 years to 39 years.....	60	From 80 years to 89 years.....	10
From 40 years to 49 years.....	123	From 90 years to 99 years.....	4
<hr/>			
Total.....			666
Average age of inmates (years).....			54 1-6

BY WHOSE ORDER ADMITTED.

By His Honor Mayor Pond.....	393
By Dr. J. L. Meares, Health Officer.....	79
By Dr. D. E. Barger, Superintendent Physician City and County Hospital.....	66
By Dr. P. A. Kearney, Superintendent Physician City and County Hospital.....	95
By Chief of Police, P. Crowley, from City Prison.....	23
By Dr. Wm. D. McCarthy, Board of Health.....	4
By Supervisor Pescia, Chairman Hospital Committee.....	2
By Dr. D. E. Barger, Health Officer.....	3
By His Honor Judge Lawler, Police Court No. 2.....	1
<hr/>	
Total.....	666

NUMBER OF TIMES ADMITTED AND READMITTED AFTER BEING DISCHARGED

First time.....	395	Ninth time.....	7
Second time.....	105	Tenth time.....	3
Third time.....	53	Eleventh time.....	4
Fourth time.....	36	Twelfth time.....	2
Fifth time.....	20	Thirteenth time.....	1
Sixth time.....	8	Fourteenth time.....	1
Seventh time.....	13	Fifteenth time.....	2
Eighth time.....	10	Sixteenth time.....	1
<hr/>			
Total.....			66

SOCIAL CONDITION OF INMATES.

Single.....	
Married.....	88
Widowers.....	136
Widows.....	86
Children.....	21
Total.....	666

COLOR OF INMATES.

White.....	662
Black.....	3
Yellow.....	1
Total.....	666

Amount of money taken from inmates on admission.....\$152 65

Of the 666 inmates admitted, only 9 were in possession of money.

Average amount for the 9.....	16 96
Average amount for the 666.....	23
Largest sum taken from any inmate.....	49 85
Smallest sum taken from any inmate.....	5 00

Any money or other property taken from the inmates are returned to them on leaving the Alms House.

ALMS HOUSE EXPENSES FOR 1887 AND 1888.

Salaries of officers and employees.....	\$14,670 00
Groceries, provisions, fruits, etc.....	24,935 94
Clothing, dry goods, shoes, bedding, hats, caps, etc.....	6,996 85
Horse and cattle feed, straw, etc.....	9,572 95
Drugs, liquors, medicines and instruments.....	2,652 35
Fuel and lights.....	5,263 43
Materials for improvements and repairs.....	1,289 94
Hardware, tools and implements.....	1,029 48
Farm and garden seeds.....	514 23
New steam pump and pump repairs.....	500 95
New steam boiler for engine.....	525 00
Repairs on engines, boilers, ranges and washing machinery.....	587 28
Repairs to vehicles.....	416 30
Harness and harness repairs.....	125 75
Horseshoeing and blacksmithing.....	266 25
Fire and garden hose, belting, etc.....	412 95
Printing, stationery, stamps, books and newspapers.....	139 21
Brooms, brushes, dusters, etc.....	161 50
Crockery, glass and tinware.....	193 74
Tobacco.....	625 47
Laundry supplies—soap, sal soda, starch, blueing, etc.....	560 95
Live stock.....	142 50
Furniture and carpets.....	89 20
Superintendent's traveling expenses—4 trips to Sacramento.....	80 00
Telephone service.....	48 62
Total.....	\$71,813 94

The total cost for food for 1887 and 1888 was.....	\$24,935 94
Daily number of employees and inmates was.....	649
Daily cost per employee and inmate for food was.....	10
The total cost for clothing, dry goods, shoes, bedding, hats, etc., was.....	\$6,996 85
Daily average number of inmates was.....	625
Daily cost per inmate for the above articles was.....	03
The total cost for lighting the three buildings for the year was	\$1,234 30
Daily cost for lighting	3 38

There are 66 burners lit in the institution every night, all of which burn until 8 o'clock, and 32 burn all night.

According to the Auditor's report the total amount paid out for 1887 and 1888 was \$71,313.94. Deducting therefrom the amount paid into the City and County Treasury realized from sales of live stock etc., viz., \$1131.35, leaves the actual disbursement \$70,632.59.

The daily average number of inmates was.....	
Daily cost for the institution.....	\$193 51
Daily cost per inmate.....	31
Yearly cost per inmate.....	113 01

The following is a resume of the work done in the different departments during the year:

TAILORING DEPARTMENT.

Men's cassimere coats made.....	130
Men's cassimere pants made	223
Men's blue jean overalls made.....	182
Boys' blue jean overalls made.....	60
Boys' blue jean blouses made.....	60
Boys' cassimere suits made.....	18
Men's flannel overshirts made.....	620
Men's flannel undershirts made.....	535
Men's flannel drawers made.....	683
Boys' flannel overshirts made.....	56
Number of coats and jackets repaired.....	140
Number of pants repaired.....	230
Number of overalls, vests, etc., repaired.....	127

SHOE DEPARTMENT.

Men's shoes made, pairs.....	340
Boys' shoes made, pairs.....	36
Women's shoes (bought), pairs.....	102
Girls' shoes (bought), pairs.....	48
Boys' shoes (bought), pairs.....	24
Children's shoes (bought), pairs.....	24
Slippers (bought), pairs.....	72
Men's and boys' shoes repaired, pairs.....	393

WOMEN'S DEPARTMENT.

The female inmates have made all the clothing required by them, having made and delivered during the year 280 dresses and about 900 other garments, besides all the slips, sheets, spreads, ticks

roller towels, etc., required by the institution They have also repaired about 18,000 pieces belonging to themselves and the male inmates.

FARM		ACRES	DOLLARS
House, lot and grounds.....		5	
New building lot and grounds.....		5	
Hospital lot, grounds and roads.....		4	129
Pasturage.....		15	
Potatoes.....		20	
Barley for hay.....		22	31
Vegetables.....		8	
Total		89	

LIVE STOCK.

Horses	12	Calves under 12 months old.....	41
Cows.....	73	Hogs.....	41
Bulls.....	2	Pigs.....	10
Heifers.....	1	Chickens	150
Total.....			330

ESTIMATED CROPS.

Potatoes.....	75 tons, 150,000 lbs.
Hay.....	65 tons, 130,000 lbs.
Vegetables.....	40 tons, 80,000 lbs.

AMOUNT RECEIVED FROM SALES OF LIVE STOCK, ETC.

Received from sale of 44 calves.....	\$660 00
Received from sale of 23 hogs.....	416 80
Received from sale of kitchen grease.....	104 55
Amount paid into City and County Treasury.....	\$1,181 35
I have also received from the State of California during the year the following sums, "for support of aged persons in indigent circumstances, and "for support of orphan, half-orphan, and abandoned children," and have paid the amount into the City and County Treasury :	
Received from State of California for support of aged persons in indigent circumstances, for half year ending December 31st, 1886.....	\$15,077 87
Received from State of California for support of aged persons in indigent circumstances, for half year ending June 30th, 1887.....	15,546 57
Received from State of California for support of aged persons in indigent circumstances, for half year ending December 31st, 1887.....	15,181 84
	\$45,806 28
Received from State of California for support of orphan, half-orphan, and abandoned children, for half year ending December 31st, 1886.....	\$838 50
Received from State of California for support of orphan, half-orphan, and abandoned children, for half year ending June 30th, 1887.....	830 50
Received from State of California for support of orphan, half-orphan, and abandoned children, for half year ending December 31st, 1887.....	811 45
	2,480 73
Amount paid into City and County Treasury.....	\$48,286 73

The appropriation for Alms-House expenses for 1887 and 1888 was \$80,000. The amount paid out from the City and County Treasury was \$71,813 94; consequently there was a surplus of \$8,186 06 remaining at the close of the fiscal year.

All the inmates, both male and female, who were able to work, have been employed, as usual; their labor being utilized wherever it could be made most useful. Not more than one-third of the inmates recently admitted are capable of performing manual labor.

The male inmates have been employed on the farm, on the roads, in the gardens and grounds, buildings, stables, etc. Others have been working as painters, whitewashers, carpenters, herders, milkers, etc. The female inmates have done all the sewing required by the institution, making and repairing their own and the male inmates' clothing, while others have been kept busy at general house-cleaning, etc.

The sanitary condition of the three buildings has received constant and careful attention, the sewers have been flushed weekly, disinfectants freely used, and every portion of the buildings kept sweet and clean.

The roads in the neighborhood have been kept in good repair, also the buildings, fences, etc.

A great deal of work has been done on the grounds of the new building, giving them a pleasing and slightly appearance.

The crops on the farm have been a fair average this season, both as regards quantity and quality. Our supply of milk has been ample, from which a large portion of the butter used in the institution has been made.

Nothing requiring special comment has occurred during the year, everything having worked smoothly and pleasantly.

During the fiscal year 1887 and 1888 I have received from the State under the "Act to appropriate money for support of aged persons in indigent circumstances" the sum of \$45,806 28. I have also received from the State, under the "Act to appropriate money for support of orphan, half-orphan, and abandoned children," \$2,480 45, or a total of \$48,286 73. This amount has been duly paid into the City and County Treasury. The total amount received from the State of California under these two Acts, to this date, is \$136,892 90, thus relieving the tax-payers of the city and county of San Francisco to that amount on account of Alms-House expenses.

The Auditor's figures give the amount paid out of the City and County Treasury for 1887 and 1888 for Alms-House expenses, as \$71,813 94; deducting therefrom the amount I have returned to said treasury, received from sales of Alms-House property, viz: \$1,181 35, and \$48,286 73 received from the State, the actual disbursement from the City and County Treasury on account of the Alms House has been \$22,345 86.

Religious services at the institution have been held as usual, and my thanks are due to the Rev. Father Brennan and the Priesthood of Mission Dolores Church for their unremitting attention to the Catholic portion of the inmates.

My thanks are also tendered to the Rev. A. D. Drummond, Assistant Rector of the Church of the Advent, and the Rev. E. J. Lion, Pastor of St. Stephen's Church ; also, to the Rev. James Campbell and the ladies of the Young Women's Christian Association, for their devotion to those of the Protestant faith.

To other kind friends who have made donations of reading matter for use of the inmates, I tender my sincere acknowledgements.

My thanks are also eminently due to all who helped to contribute so bountiful a supply of toys and candy for the Alms-House children at Christmas, at the same time assuring them that their kindness was duly appreciated by the recipients of their bounty.

From the opening of the Alms-House to the present time 10,404 inmates have been admitted, and provided with a comfortable home through the generous charity of the people of the city and county of San Francisco.

Sincerely thanking your Honorable Body, and the Hospital Committee of the Honorable Board of Supervisors, for your and their kind co-operation and support, this report is most respectfully submitted.

M. J. KEATING,

Superintendent City and County Alms House.

San Francisco, July 1, 1888.

ST

